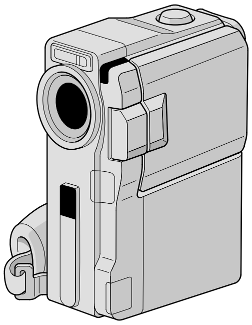
JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVX48A/A-S/EA,DVX49A,DVX78A/A-S/EA



Mini DV PAL

DSC DIGITAL STILL CAMERA

Regarding service information other than these sections, refer to the GR-DVX44EG,DVX88EG service manual (No. 86617). Also, be sure to note important safety precautions provided in the service manual.

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVX78A/DVX49A/DVX48A/DVX78EA/DVX48EA/DVX78SH/DVX48SH)*

Camcorder

For General

Power supply	: DC 11.0 V ⎓ (Using AC Adapter) DC 7.2 V ⎓ (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.4 W (GR-DVX78), Approx. 4.0 W (GR-DVX49/DVX48)
LCD monitor on, viewfinder off	: Approx. 5.2 W (GR-DVX78), Approx. 4.8 W (GR-DVX49/DVX48)
Dimensions (W x H x D)	: 51 mm x 120 mm x 97 mm (with the LCD monitor closed and the viewfinder pushed back in)
Weight	: Approx. 500 g (GR-DVX78) Approx. 470 g (GR-DVX49/DVX48)
Operating temperature	: 0°C to 40°C
Operating humidity	: 35% to 80%
Storage temperature	: –20°C to 50°C
Pickup	: 1/4" CCD
Lens	: F 1.8, f = 3.6 mm to 36 mm, 10:1 power zoom lens
Filter diameter	: ø27 mm
LCD monitor	: 2.5" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	: Electronic viewfinder with 0.44" colour LCD
Speaker	: Monaural

For Digital Video Camera

Format	: DV format (SD mode)
Signal format	: PAL standard
Recording/Playback format	: Video: Digital component recording : Audio: PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)
Cassette	: Mini DV cassette
Tape speed	: SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time (using 80 min. cassette)	: SP: 80 min. LP: 120 min.

For Digital Still Camera (GR-DVX78 only)

Storage media	: SD Memory Card/MultiMediaCard
Compression system	: Still image : JPEG (compatible) Moving image : MPEG4 (compatible)
File size	: 2 modes (XGA: 1024 x 768 pixels/VGA: 640 x 480 pixels)
Picture quality	: 2 modes (FINE/STANDARD)
Approximate number of storable images	
(with the provided memory card [8 MB], with Sound Effects pre-stored)	
FINE	: 40 (VGA), 20 (XGA)
STANDARD	: 130 (VGA), 60 (XGA)
(with an optional memory card [16 MB])	
FINE	: 100 (VGA), 40 (XGA)
STANDARD	: 290 (VGA), 140 (XGA)
(with an optional memory card [32 MB])	
FINE	: 210 (VGA), 90 (XGA)
STANDARD	: 610 (VGA), 290 (XGA)
(with an optional memory card [64 MB])	
FINE	: 430 (VGA), 190 (XGA)
STANDARD	: 1230 (VGA), 600 (XGA)

For Connectors

AV	
Video output	: 1 V (p-p), 75 Ω, analogue
Video input (GR-DVX78 only)	: 0.8 V (p-p) – 1.2 V (p-p), 75 Ω, analogue
Audio output	: 300 mV (rms), 1 kΩ, analogue, stereo
Audio input (GR-DVX78 only)	: 300 mV (rms), 50 kΩ, analogue, stereo
Headphone output (GR-DVX78 only)	: Stereo
DV	
Input/output	: 4-pin, IEEE 1394 compliant

AC Adapter AP-V10A, AP-V10EA or AP-V10ED

Power requirement	: AC 110 V to 240 V∿, 50 Hz/60 Hz
Output	: DC 11 V ⎓ , 1 A
Dimensions (W x H x D)	: 59 mm x 31 mm x 84 mm
Weight	: Approx. 140 g (not including Power Cord)

Jack Box

For General

Dimensions (W x H x D)	: 52 mm x 22 mm x 73 mm
Weight	: Approx. 35

For Connectors

USB (GR-DVX78 only)	: Type B
EDIT (GR-DVX78 only)	: ø3.5 mm, 2-pole
S-Video	
Output	: Y : 1 V (p-p), 75 Ω, analogue C : 0.29 V (p-p), 75 Ω, analogue
Input (GR-DVX78 only)	: Y : 0.8 V (p-p) – 1.2 V (p-p), 75 Ω, analogue C : 0.2 V (p-p) – 0.4 V (p-p), 75 Ω, analogue
JLIP (GR-DVX49/DVX48 only)	: ø3.5 mm, 4-pole
PC (DIGITAL PHOTO) (GR-DVX49/DVX48 only)	: ø2.5 mm, 3-pole

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

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The following table indicate main different points between models GR-DVX44EG, GR-DVX48A, GR-DVX48A-S, GR-DVX48EA and GR-DVX49A.

MODEL ITEM	GR-DVX44EG	GR-DVX48A	GR-DVX48A-S	GR-DVX48EA	GR-DVX49A
AC ADAPTER	AP-V10EG	AP-V10A	AP-V10A-S	AP-V10EA	AP-V10A

The following table indicate main different points between models GR-DVX88EG, GR-DVX78A, GR-DVX78A-S and GR-DVX78EA.

MODEL ITEM	GR-DVX88EG	GR-DVX78A	GR-DVX78A-S	GR-DVX78EA
AC ADAPTER	AP-V10EG	AP-V10A	AP-V10A-S	AP-V10EA

The following table indicate different parts number between models GR-DVX44EG, GR-DVX48A, GR-DVX48A-S, GR-DVX48EA and GR-DVX49A.

PACKING AND ACCESSORY ASSEMBLY <M1> Note: As for IB (INSTRUCTIONS), refer to sec.5.

⚠	REF. NO.	MODEL ITEM	GR-DVX44EG	GR-DVX48A	GR-DVX48A-S	GR-DVX48EA	GR-DVX49A
	1	PACKING CASE	LY32032-008A	LY32032-010A	←	LY31717-023A	←
	9	WARRANTY CARD	BT-54013-2	—	—	BT-56001-2	—
⚠	12	AC ADAPTER	LY20688-013A	LY20688-003A	LY20688-014A	LY20688-007A	LY20688-003A
	14	JACK BOX	LY32142-002A	*LY32142-002B	*←	*←	*←
⚠	28	POWER CORD	QMPL120-190-JR	←	QMPS110-190-JR	QMPH020-190-JR	QMPL120-190-JR
	29	ADAPTER PLUG	QAM0302-001	—	—	—	—
	31	SER.NET CARD	—	—	—	BT-56002-2	—
	33	SHEET(CON.PLUG)	—	LYT0609-001A	←	—	LYT0609-001A
⚠	34	CONVERSION PLUG	—	PEMC1012-02	PEMC1012	—	PEMC1012-02

FINAL ASSEMBLY <M2>

⚠	REF. NO.	MODEL ITEM	GR-DVX44EG	GR-DVX48A	GR-DVX48A-S	GR-DVX48EA	GR-DVX49A
	101	LOWER CASE	LY10287-002A	*LY10287-002B	*←	*←	*←
	191	PLATE	LY42906-004A	LY42906-008A	←	←	LY42906-009A
	215	STICKER	LY43130-006A	LY43130-007A	←	←	←
	216	SPACER(A)	LY30029-0H7B	*LY30029-0H7C	*←	*←	*←
	220	FRONT COVER ASSY	LY20731-004B	LY20731-002C	←	←	LY20731-007B
	220H	COVER(AV)	LY32136-004A	LY32136-007A	←	←	←
	221	SCREW	QYSPSGT1740Z	QYSPSGT1740R	←	←	←
	229	SCREW	QYSPSGT1735Z	*QYSPSGT1730Z	*←	*←	*←

Notes : Mark ← is same as left.
Mark — is not used.
Mark * reference model was also changed.

MAIN BOARD ASSEMBLY <01>

⚠	REF. NO.	MODEL ITEM	GR-DVX44EG	GR-DVX48A	GR-DVX48A-S	GR-DVX48EA	GR-DVX49A
	IC1401	CSP IC ASSY	YQ44887A	*YQ44888A	*←	*←	*←
	R1413	MG RESISTOR	—	*NRSA6AJ-331W	*←	*←	*←
	R6014	MG RESISTOR	—	*NRSA63J-0R0X	*←	*←	*←
	C3001	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C3005	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C3008	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C3035	CAPACITOR	NDCA1HJ-270W	*NDCA1HJ-180W	*←	*←	*←
	C3501	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C3502	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C3503	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C3701	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C4305	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C4307	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C4310	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C4315	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C4324	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C4331	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C6003	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	OT7	SPACER(A)	—	*LY30029-0Q4A	*←	*←	*←

MDA BOARD ASSEMBLY <02>

⚠	REF. NO.	MODEL ITEM	GR-DVX44EG	GR-DVX48A	GR-DVX48A-S	GR-DVX48EA	GR-DVX49A
	C4803	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C4851	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C4861	T CAPACITOR	NCBA1HK-102W	*NCBA1CK-103W	*←	*←	*←
	C4862	T CAPACITOR	NCBA1HK-102W	*NCBA1CK-103W	*←	*←	*←
	C4864	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←

JUNCTION BOARD ASSEMBLY <06>

⚠	REF. NO.	MODEL ITEM	GR-DVX44EG	GR-DVX48A	GR-DVX48A-S	GR-DVX48EA	GR-DVX49A
	PW2	JUNCTION BOARD ASSY	YB10323B2-01	←	←	←	*YB10323B2-02

AUDIO BOARD ASSEMBLY <08>

⚠	REF. NO.	MODEL ITEM	GR-DVX44EG	GR-DVX48A	GR-DVX48A-S	GR-DVX48EA	GR-DVX49A
	C2108	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C2207	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C2208	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C2211	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C2214	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←
	C2402	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←	*←

JACK BOARD ASSEMBLY <09>

⚠	REF. NO.	MODEL ITEM	GR-DVX44EG	GR-DVX48A	GR-DVX48A-S	GR-DVX48EA	GR-DVX49A
	PW1	JACK BOARD ASSY	YB10323C1	←	←	←	*YB10323C1-01

The following table indicate different parts number between models GR-DVX88EG, GR-DVX78A, GR-DVX78A-S and GR-DVX78EA.

PACKING AND ACCESSORY ASSEMBLY <M1> Note: As for IB (INSTRUCTIONS), refer to sec.5.

⚠	REF. NO.	MODEL ITEM	GR-DVX88EG	GR-DVX78A	GR-DVX78A-S	GR-DVX78EA
	1	PACKING CASE	LY32032-007A	LY32032-009A	←	LY32032-022A
	4	POLY BAG	QPA02003006	QPA02003506	←	QPA02003006
	9	WARRANTY CARD	BT-54013-2	—	—	BT-56001-2
	11	CD ROM	LY32210-004A	*LY32210-004B	*←	*←
⚠	12	AC ADAPTER	LY20688-013A	LY20688-003A	LY20688-014A	LY20688-007A
	14	JACK BOX	LY32142-001A	*LY32142-001B	*←	*←
⚠	28	POWER CORD	QMPL120-190-JR	←	QMPS110-190-JR	QMPH020-190-JR
	29	ADAPTER PLUG	QAM0302-001	—	—	—
	31	SER.NET CARD	—	—	—	BT-56002-2
	32	CORE FILTER	—	QQR0918-001	←	←
	33	SHEET(CON.PLUG)	—	LYT0609-001A	←	—
⚠	34	CONVERSION PLUG	—	PEMC1012-02	PEMC1012	—

Notes : Mark ← is same as left.
Mark — is not used.
Mark * reference model was also changed.

FINAL ASSEMBLY <M2>

⚠	REF. NO.	MODEL ITEM	GR-DVX88EG	GR-DVX78A	GR-DVX78A-S	GR-DVX78EA
⚠	101	LOWER CASE ASSY	LY20727-001A	*LY20727-001B	*←	*←
	191	PLATE	LY42906-003A	LY42906-007A	←	←
	215	STICKER	LY43130-002A	LY43130-004A	←	←
	216	SPACER(A)	LY30029-0H7B	*LY30029-0H7C	*←	*←
	220	FRONT COVER ASSY	LY20731-003B	LY20731-001D	←	←
	220H	COVER(AV)	LY32136-003A	LY32136-006A	←	←
	221	SCREW	QYSPSGT1740Z	QYSPSGT1740R	←	←
	229	SCREW	QYSPSGT1735Z	*QYSPSGT1730Z	*←	*←
	231	SCREW	QYSPSGT1735Z	*QYSPSGT1730Z	*←	*←

MAIN BOARD ASSEMBLY <01>

⚠	REF. NO.	MODEL ITEM	GR-DVX88EG	GR-DVX78A	GR-DVX78A-S	GR-DVX78EA
	PW	MAIN BOARD ASSY	YB10319B-02	YB10319C-02	←	←

MDA BOARD ASSEMBLY <02>

⚠	REF. NO.	MODEL ITEM	GR-DVX88EG	GR-DVX78A	GR-DVX78A-S	GR-DVX78EA
	IC4804	IC	UPC358G2/5/-W	*NJM3414AG	*←	*←
	R4836	MG RESISTOR	NRSA6AJ-102W	*NRSA6AJ-0R0W	*←	*←
	C4803	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←
	C4851	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←
	C4861	CAPACITOR	NCBA1HK-102W	*NCBA1CK-103W	*←	*←
	C4862	CAPACITOR	NCBA1HK-102W	*NCBA1CK-103W	*←	*←
	C4864	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←

JUNCTION BOARD ASSEMBLY <06>

⚠	REF. NO.	MODEL ITEM	GR-DVX88EG	GR-DVX78A	GR-DVX78A-S	GR-DVX78EA
	PW2	JUNCTION BOARD ASSY	YB10323A2-01	*YB10323C2-02	*←	*←
	D8502	ZENER DIODE	—	*UMZ6.8EN	*←	*←
	C8502	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←

AUDIO BOARD ASSEMBLY <08>

⚠	REF. NO.	MODEL ITEM	GR-DVX88EG	GR-DVX78A	GR-DVX78A-S	GR-DVX78EA
	PW2	AUDIO BOARD ASSY	YB10320C2-02	YB10320A2-02	←	←
	R2201	MG RESISTOR	—	NRSA6AJ-103W	←	←
	R2202	MG RESISTOR	—	NRSA6AJ-103W	←	←
	R2203	MG RESISTOR	—	NRSA6AJ-473W	←	←
	R2204	MG RESISTOR	—	NRSA6AJ-473W	←	←
	C2108	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←
	C2207	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←
	C2208	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←
	C2211	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←
	C2214	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←
	C2223	CAPACITOR	NCBA1AK-104W	—	—	—
	C2224	CAPACITOR	NCBA1AK-104W	—	—	—
	C2301	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←
	C2402	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←
	C2751	T CAPACITOR	NBE20JM-106X	*NBE80JM-106X	*←	*←

JACK BOARD ASSEMBLY <09>

⚠	REF. NO.	MODEL ITEM	GR-DVX88EG	GR-DVX78A	GR-DVX78A-S	GR-DVX78EA
	PW1	JACK BOARD ASSY	YB10323B1	*YB10323B1-01	*←	*←
	Q2801	TRANSISTOR	—	*2SD1979/S/-X	*←	*←
	R2801	MG RESISTOR	—	*NRSA63J-103X	*←	*←
	R2805	MG RESISTOR	—	*NRSA63J-0R0X	*←	*←
	C2801	CAPACITOR	—	*NCB31CK-683X	*←	*←
	C2803	CAPACITOR	—	*NCB31EK-153X	*←	*←

Notes : Mark ← is same as left.
Mark — is not used.
Mark * reference model was also changed.

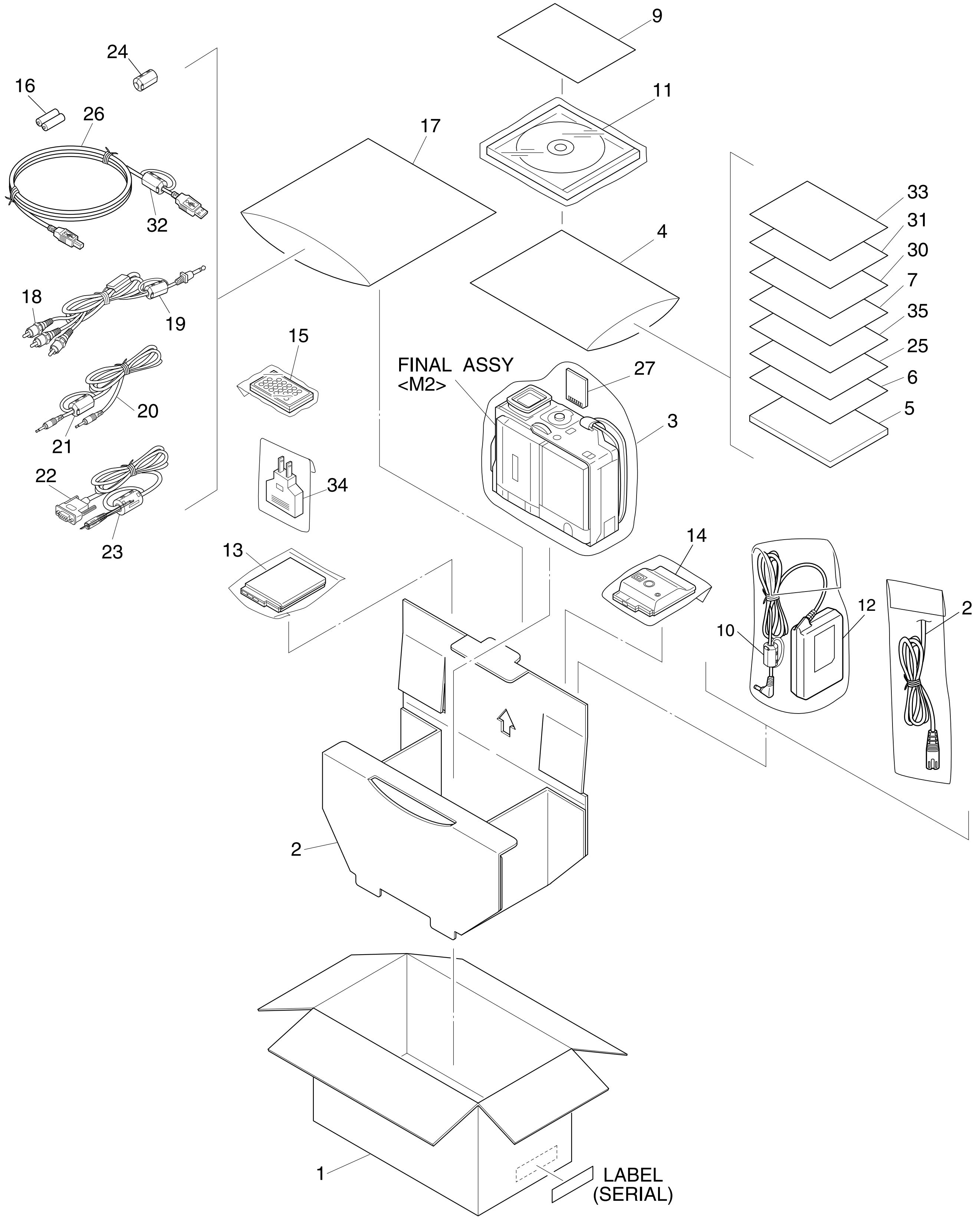
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.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PACKING AND ACCESSORY ASSEMBLY <M1>

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION
		1	LY32032-009A	PACKING CASE,E,F
			LY32032-010A	PACKING CASE,A,B
			LY31717-022A	PACKING CASE,G
			LY31717-023A	PACKING CASE,C,D
		2	LY20588-001A	CUSHION
		3	LY30023-003A	POLY BAG
		4	QPA02003006	POLY BAG,C,D,G
			QPA02003506	POLY BAG,A,B,E,F
	⚠	5	LYT0776-001A	INST.BOOK(EN)
	⚠		LYT0776-002A	INST.BOOK(GE),A,B,E,F
	⚠		LYT0776-003A	INST.BOOK(FR),A,B,E,F
	⚠		LYT0776-004A	INST.BOOK(CH),A,B,E,F
	⚠		LYT0776-005A	INST.BOOK(RU),A,B,E,F
	⚠		LYT0776-006A	INST.BOOK(AR),A,B,E,F
	⚠	6	LYT0788-001A	INST.BOOK(SOFT.SETUP),A
	⚠		LYT0501-001A	INST.BOOK(SOFT.SETUP),C,D
		7	LYT0378-003A	SHEET(AGREMENT)
		9	BT-56001-2	WARRANTY CARD,C,G
		10	QQR0490-002	CORE FILTER
		11	LY32210-002A	CD ROM,C
			LY32210-002B	CD ROM,A,B,D
			LY32210-004B	CD ROM,E,F,G
	⚠	12	LY20688-003A	AC ADAPTER,AP-V10A,A,D,E
	⚠		LY20688-007A	AC ADAPTER,AP-V10EA,C,G
	⚠		LY20688-014A	AC ADAPTER,AP-V10A-S,B,F
	⚠	13	LY31174-006A	BATTERY PACK,BN-V507U
		14	LY32142-001B	JACK BOX,CU-V506,E,F,G
			LY32142-002B	JACK BOX,CU-V505,A,B,C,D
		15	LY20750-001A	REMOTE CONTROL UNIT,RM-V717U
		16	–	BATTERY,AAA(R03),X2
		17	QPA01703005	POLY BAG,A,B,C,D
		18	QAM0347-001	CABLE ASSY,AUDIO/VIDEO CABLE
		19	QQR0918-002	CORE FILTER,A,B,C,D
		20	PEAC0428-150	CABLE ASSY,EDITING CABLE,E,F,G
			QAM0214-001	RM(EDITING)CABLE,A,B,C,D
		21	QQR0491-002	CORE FILTER,A,B,C,D
		22	QAM0084-001	PC CABLE,A,B,C,D
		23	QQR0918-002	CORE FILTER,A,B,C,D
		24	QQR0491-002	CORE FILTER,A,B,C,D
	⚠	25	LYT0772-001A	INST.BOOK(SOFT.4LANG),E,F
	⚠		LYT0773-001A	INST.BOOK(SOFT.4LANG),B
		26	QAM0322-001	USB CABLE,E,F,G
		27	QAM0262-002	MEMORY CARD,E,F,G
	⚠	28	QMPH020-190-JR	POWER CORD,C,G
	⚠		QMPL120-190-JR	POWER CORD,A,D,E
	⚠		QMPS110-190-JR	POWER CORD,B,F
		30	LYT0760-004A	SHEET(ATT.),E,F,G
		31	BT-56002-2	SER.NET CARD,C,G
		32	QQR0918-001	CORE FILTER,E,F,G
		33	LYT0609-001A	SHEET(CON.PLUG),A,B,D,E,F
	⚠	34	PEMC1012	CONVERSION PLUG,B,F
	⚠		PEMC1012-02	CONVERSION PLUG,A,D,E
	⚠	35	LYT0761-001B	INST.BOOK(SOFT.EN),G

MODEL	MARK
GR-DVX48A	A
GR-DVX48A-S	B
GR-DVX48EA	C
GR-DVX49A	D
GR-DVX78A	E
GR-DVX78A-S	F
GR-DVX78EA	G

- **INSTRUCTIONS**

EN .... ENGLISH
GE ...... GERMAN
FR .... FRENCH
CH ...... CHINESE
RU .... RUSSIAN
AR .... ARABIAN

5.2 ELECTRICAL PARTS LIST (GR-DVX78A/A-S/EA)

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MAIN BOARD ASSEMBLY <01>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
PW	YB10319C-02	MAIN BOARD ASSY
IC1001	UPD703039F1-A10	IC(MICRO C ROM)
	or UPD70F3040F1A10	IC
IC1002	RS5C314	IC
IC1003	AT25160N-10SC-X	IC
	or NM25C160LZEM8	IC
	or X25170S8I-2.5-X	IC
IC1004	TC75S56FU	IC
IC1005	TC7S00FU	IC
	or SN74AHC1G00K	IC
IC1006	MB90097PFV142	IC(MICRO C ROM)
IC1007	TC74VHC08FT	IC(DIGITAL)
	or SN74LV08APW	IC
IC1009	IC-PST9323U-X	IC
IC1101	TA75W01FU	IC
IC1303	SN74LV02APW	IC
IC1401	YQ44888A	CSP IC ASSY
IC1404	TC7W14FU	IC(DIGITAL)
	or SN74AHC2G14T	IC
IC3001	JCY0133	IC
IC3002	JCY0136	IC
IC3003	TLC2940IPW	IC
IC3004	SN74AHC1G04K	IC
IC3006	JCY0164	IC
IC3501	JCY0132	IC
IC3701	MM1510XN	IC
IC3702	MM1510XN	IC
IC3703	MM1506XN	IC
IC3901	JCP8029	IC
IC3951	MM1504XN	IC
IC4201	HD49326BF	IC
IC4202	MM1385HN	IC
IC4301	JCY0150	IC
IC4302	TMS4C2973-28-X	IC
IC4303	TMS4C2973-28-X	IC
IC5501	JCY0117	IC
IC6001	S-80842ANNP-W	IC
IC6002	S-817A33ANB-W	IC
IC6101	FA3698F	IC
IC6601	TC7W74FU	IC(DIGITAL)
	or TC7WH74FU	IC(DIGITAL)
IC8001	JCY0121-4	IC
IC8002	MSM56V16160D1LS	IC
IC8003	M32310D5WG	IC
IC8004	39VF800A7CEKA10	IC(MICRO C ROM)
	or 39VF800A9CEKA10	IC(MICRO C ROM)
	or LE28DW8163T8A03	IC(MICRO C ROM)
IC8005	SN74AHC1G00K	IC
	or TC7S00FU	IC
IC8006	MM1385NN	IC
IC8007	MM1385EN	IC
IC8008	TC7WHU04FU	IC
IC8009	TC7WH74FK	IC
IC8010	TC7SH08FU	IC(DIGITAL)
IC8011	TC7WH74FK	IC
IC8012	TC7WH32FK	IC
IC8101	TMS320DA050-G	IC
	or TMS320DA050	IC
IC8102	TC7MA2244FK	IC
IC8103	TC7S04FU	IC(DIGITAL)
IC8401	ML60851CLB	IC
	or ML60851DLB	IC
IC8402	S-80842ANNP-W	IC
Q1001	DTC124EE	TRANSISTOR
	or UN9212J	TRANSISTOR
Q1002	2SC4617/QR/-X	TRANSISTOR
Q1003	DTC143EE	TRANSISTOR
	or RN1101	TRANSISTOR
	or UN921LJ	TRANSISTOR
Q1004	DTA114EE	TRANSISTOR
	or PDTA114EE	TRANSISTOR
	or RN2102	TRANSISTOR
	or UN9111J	TRANSISTOR
Q1005	DTC144EE	TRANSISTOR
	or UN9213J	TRANSISTOR
	or PDTC144EE	TRANSISTOR
	or RN1104	TRANSISTOR
Q1006	DTA114EE	TRANSISTOR
	or PDTA114EE	TRANSISTOR
	or RN2102	TRANSISTOR
	or UN9111J	TRANSISTOR
Q1007	DTC144EE	TRANSISTOR
	or UN9213J	TRANSISTOR
	or PDTC144EE	TRANSISTOR
	or RN1104	TRANSISTOR
Q1301	2SC4617/RS/-X	TRANSISTOR
Q1401	DTA114EE	TRANSISTOR
	or PDTA114EE	TRANSISTOR
	or RN2102	TRANSISTOR
	or UN9111J	TRANSISTOR
Q1402	UMC3N	TRANSISTOR
Q1403	UMC3N	TRANSISTOR
Q1404	DTC144EE	TRANSISTOR
	or PDTC144EE	TRANSISTOR
	or RN1104	TRANSISTOR
	or UN9213J	TRANSISTOR
Q3701	UMT2N	PAIR TRANSISTOR
Q3702	2SA1774/RS/-X	TRANSISTOR
Q3703	UMZ1N	PAIR TRANSISTOR
	or PUMZ1	PAIR TRANSISTOR
Q3704	2SC4617/RS/-X	TRANSISTOR
Q3951	UMZ1N	PAIR TRANSISTOR
	or PUMZ1	PAIR TRANSISTOR
Q3952	DTC144EE	TRANSISTOR
	or PDTC144EE	TRANSISTOR
	or RN1104	TRANSISTOR
	or UN9213J	TRANSISTOR
Q3953	UMZ1N	PAIR TRANSISTOR
	or PUMZ1	PAIR TRANSISTOR
Q3954	2SC4617/RS/-X	TRANSISTOR
Q4301	UMT2N	PAIR TRANSISTOR
Q4302	UMT2N	PAIR TRANSISTOR
Q6001	DTC144EE	TRANSISTOR
	or PDTC144EE	TRANSISTOR
	or RN1104	TRANSISTOR
	or UN9213J	TRANSISTOR
Q6002	2SK3019	MOS FET
Q6003	2SJ347	MOS FET

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION
		Q6004	2SB1121/TU/-X	TRANSISTOR
		Q6201	NDS352AP	MOS FET
		Q6202	2SA1577/QR/-X	TRANSISTOR
		Q6203	SSM6J07FU	MOS FET
		Q6204	CPH3304	MOS FET
		Q6205	CPH3101	TRANSISTOR
		Q6206	2SC4617/RS/-X	TRANSISTOR
		Q6208	SSM6J07FU	MOS FET
		Q6210	SSM6J07FU	MOS FET
		Q6211	NDS352AP	MOS FET
		Q6212	HN1C01FU/G/-X	PAIR TRANSISTOR
			or PUMX1	PAIR TRANSISTOR
		Q6213	2SA1577/RS/-X	TRANSISTOR
		Q6214	DTC144EE	TRANSISTOR
			or PDTC144EE	TRANSISTOR
			or UN9213J	TRANSISTOR
			or RN1104	TRANSISTOR
		Q6215	HN1A01FU/G/-X	PAIR TRANSISTOR
			or PUMT1	PAIR TRANSISTOR
		Q6216	2SC4617/RS/-X	TRANSISTOR
		Q6601	DTC144EE	TRANSISTOR
			or PDTC144EE	TRANSISTOR
			or UN9213J	TRANSISTOR
			or RN1104	TRANSISTOR
		Q6602	UMS1N	PAIR TRANSISTOR
		Q6611	2SA1774/RS/-X	TRANSISTOR
		Q6612	UMS1N	PAIR TRANSISTOR
		Q6613	2SC4617/RS/-X	TRANSISTOR
		Q6614	RN1702	TRANSISTOR
		Q6615	UMC4N	TRANSISTOR
		Q6701	TPC6102	MOS FET
		Q7001	UMZ1N	PAIR TRANSISTOR
			or PUMZ1	PAIR TRANSISTOR
		Q8401	DTA114EE	TRANSISTOR
			or PDTA114EE	TRANSISTOR
			or UN9111J	TRANSISTOR
			or RN2102	TRANSISTOR
		D1001	DA221	DIODE
		D1302	RB501V-40-X	SB DIODE
		D2901	EMZ6.8N	ZENER DIODE
		D2902	EMZ6.8N	ZENER DIODE
		D2903	EMZ6.8N	ZENER DIODE
		D2905	EMZ6.8N	ZENER DIODE
		D3001	EC2C01C	VARI CAP DIODE
		D3002	EC2C01C	VARI CAP DIODE
		D3003	EC2C01C	VARI CAP DIODE
		D3701	UMZ6.8EN	ZENER DIODE
		D5501	1SS355	DIODE
	⚠	D6001	RB706D-40-X	SB DIODE
		D6002	RB715F	SB DIODE
		D6201	CRS06	SB DIODE
		D6202	CRS06	SB DIODE
		D6203	CRS06	SB DIODE
		D6204	CRS06	SB DIODE
		D6205	CRS06	SB DIODE
		D6206	1SS383	SB DIODE
		D6207	MA8091/L/-X	ZENER DIODE
		D6701	CRS09	SB DIODE
		D6702	CRS09	SB DIODE
		D8001	RB751V-40-X	SB DIODE
		D8401	RB751V-40-X	SB DIODE

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		R1001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R1002	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
		R1003	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R1004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1005	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
		R1006	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1007	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
		R1009	NRSA6AJ-151W	MG RESISTOR	150Ω,1/16W
		R1010	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
		R1011	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1012	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1013	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1015	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
		R1017	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R1018	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1019	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R1020	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
		R1021	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
		R1022	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
		R1023	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1024	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
		R1025	NRSA6AJ-623W	MG RESISTOR	62kΩ,1/16W
		R1026	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R1027	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R1028	NRSA6AJ-185W	MG RESISTOR	1.8MΩ,1/16W
		R1029	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R1030	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R1031	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1032	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R1033	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1034	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1037	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1039	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1040	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1044	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
		R1045	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
		R1046	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1047	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R1048	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R1049	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
		R1050	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
		R1051	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
		R1052	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
		R1053	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
		R1054	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R1055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1056	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R1057	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R1058	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
		R1060	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
		R1061	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1062	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1063	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R1064	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R1065	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R1066	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R1070	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1071	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
		R1072	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R1073	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1074	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		R1075	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1076	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R1080	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R1101	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
		R1102	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R1104	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
		R1106	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
		R1107	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1108	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R1109	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1302	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R1306	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R1401	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1402	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
		R1403	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
		R1408	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R1409	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
		R1413	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
		R1414	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
		R1415	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
		R1416	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
		R1418	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
		R1419	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
		R1420	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R1422	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
		R1423	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
		R1424	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
		R1425	NRVA6AD-753W	CMF RESISTOR	75kΩ,1/16W
		R1426	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
		R1427	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R1428	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
		R1429	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1430	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1432	NRSA6AJ-820W	MG RESISTOR	82Ω,1/16W
		R1434	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
		R1436	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
		R1437	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
		R1439	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
		R1440	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
		R1441	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
		R1442	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
		R1443	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1444	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R1445	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3007	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W
		R3008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
		R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3010	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3011	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
		R3013	NRSA6AJ-242W	MG RESISTOR	2.4kΩ,1/16W
		R3014	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
		R3015	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
		R3016	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
		R3017	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
		R3018	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
		R3019	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
		R3020	NRSA6AD-512W	MG RESISTOR	5.1kΩ,1/16W
		R3021	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R3022	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R3023	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R3024	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3029	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3030	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
		R3031	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
		R3033	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R3034	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
		R3041	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
		R3042	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
		R3043	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
		R3044	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
		R3046	NRSA6AD-222W	MG RESISTOR	2.2kΩ,1/16W
		R3050	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R3052	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3053	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3054	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3058	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R3501	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
		R3502	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R3503	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R3504	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
		R3505	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
		R3506	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
		R3507	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
		R3508	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
		R3521	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R3522	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R3701	NRSA6AD-121W	MG RESISTOR	120Ω,1/16W
		R3702	NRSA6AD-121W	MG RESISTOR	120Ω,1/16W
		R3703	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R3706	NRSA6AD-111W	MG RESISTOR	110Ω,1/16W
		R3707	NRSA6AD-111W	MG RESISTOR	110Ω,1/16W
		R3708	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R3709	NRSA6AD-102W	MG RESISTOR	1kΩ,1/16W
		R3710	NRSA6AD-102W	MG RESISTOR	1kΩ,1/16W
		R3711	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
		R3712	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R3713	NRSA6AD-680W	MG RESISTOR	68Ω,1/16W
		R3714	NRSA6AD-680W	MG RESISTOR	68Ω,1/16W
		R3715	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3716	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3717	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
		R3718	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
		R3719	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R3720	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R3721	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R3722	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R3723	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R3901	NRSA6AD-331W	MG RESISTOR	330Ω,1/16W
		R3902	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R3903	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R3904	NRSA6AD-391W	MG RESISTOR	390Ω,1/16W
		R3905	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		R3911	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R3951	NRSA6AD-561W	MG RESISTOR	560Ω,1/16W
		R3953	NRSA6AD-152W	MG RESISTOR	1.5kΩ,1/16W
		R3954	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
		R3955	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R3956	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		R3961	NRSA6AD-561W	MG RESISTOR	560Ω,1/16W
		R3962	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
		R3963	NRSA6AD-182W	MG RESISTOR	1.8kΩ,1/16W
		R3964	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
		R3965	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
		R3966	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
		R3967	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
		R3968	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
		R3969	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R4202	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4203	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4204	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
		R4205	NRSA6AJ-243W	MG RESISTOR	24kΩ,1/16W
		R4206	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R4207	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R4208	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R4301	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R4302	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
		R4304	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4305	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4307	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
		R4308	NRVA6AD-682W	CMF RESISTOR	6.8kΩ,1/16W
		R4309	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4311	NRVA6AD-272W	CMF RESISTOR	2.7kΩ,1/16W
		R4312	NRVA6AD-132W	CMF RESISTOR	1.3kΩ,1/16W
		R4313	NRVA6AD-132W	CMF RESISTOR	1.3kΩ,1/16W
		R4314	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
		R4315	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
		R4316	NRVA6AD-111W	CMF RESISTOR	110Ω,1/16W
		R4317	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4318	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
		R4319	NRVA6AD-111W	CMF RESISTOR	110Ω,1/16W
		R4320	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4321	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
		R4322	NRVA6AD-111W	CMF RESISTOR	110Ω,1/16W
		R4323	NRVA6AD-101W	CMF RESISTOR	100Ω,1/16W
		R4324	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
		R4326	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4327	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
		R4328	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4329	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4333	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4336	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4337	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4338	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
		R4339	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4340	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4341	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4343	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R4344	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
		R4346	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		R4347	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
		R4348	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
		R4349	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
		R4350	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
		R4351	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
		R5501	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R5503	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R5504	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R5505	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R5506	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R5507	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R5509	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
		R5510	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
		R5511	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
		R5512	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R5513	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R5514	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R6001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R6002	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R6003	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
		R6004	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
		R6005	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	⚠	R6008	NRSA63J-471X	MG RESISTOR	470Ω,1/16W
	⚠	R6009	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
		R6010	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R6011	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R6012	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
		R6013	NRVA6AD-683W	CMF RESISTOR	68kΩ,1/16W
		R6014	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
		R6015	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
		R6016	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
		R6101	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
		R6102	NRVA6AD-471W	CMF RESISTOR	470Ω,1/16W
		R6103	NRVA6AD-622W	CMF RESISTOR	6.2kΩ,1/16W
		R6106	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
		R6107	NRVA6AD-562W	CMF RESISTOR	5.6kΩ,1/16W
		R6108	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
		R6110	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R6112	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R6113	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R6114	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
		R6115	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
		R6116	NRVA6AD-153W	CMF RESISTOR	15kΩ,1/16W
		R6117	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R6118	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R6124	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R6201	NRVA6AD-243W	CMF RESISTOR	24kΩ,1/16W
		R6203	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
		R6204	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R6205	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R6206	NRVA6AD-183W	CMF RESISTOR	18kΩ,1/16W
		R6207	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
		R6208	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
		R6209	NRVA6AD-153W	CMF RESISTOR	15kΩ,1/16W
		R6210	NRVA6AD-183W	CMF RESISTOR	18kΩ,1/16W
		R6212	NRVA6AD-472W	CMF RESISTOR	4.7kΩ,1/16W
		R6213	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R6214	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
		R6215	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R6219	NRVA6AD-243W	CMF RESISTOR	24kΩ,1/16W
		R6220	NRVA6AD-302W	CMF RESISTOR	3kΩ,1/16W
		R6221	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
		R6223	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
		R6224	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
		R6225	NRVA6AD-562W	CMF RESISTOR	5.6kΩ,1/16W
		R6226	NRVA6AD-223W	CMF RESISTOR	22kΩ,1/16W
		R6227	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
		R6228	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
		R6229	NRVA6AD-332W	CMF RESISTOR	3.3kΩ,1/16W
		R6230	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
		R6231	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		R6232	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
		R6233	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
		R6234	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
		R6235	NRVA6AD-683W	CMF RESISTOR	68kΩ,1/16W
		R6236	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
		R6237	NRVA6AD-753W	CMF RESISTOR	75kΩ,1/16W
		R6238	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
		R6239	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R6240	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
		R6241	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
		R6242	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R6243	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
		R6247	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R6249	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R6251	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R6253	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R6255	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R6257	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R6601	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
		R6603	NRVA6AD-683W	CMF RESISTOR	68kΩ,1/16W
		R6604	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
		R6605	NRSA6AJ-184W	MG RESISTOR	180kΩ,1/16W
		R6606	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
		R6611	NRSA6AJ-335W	MG RESISTOR	3.3MΩ,1/16W
		R6612	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
		R6613	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R6614	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R6615	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
		R6616	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
		R6617	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
		R6701	NRZ0058-R20X	MG RESISTOR	0.2Ω,1/2W
		R6702	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
		R6703	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
		R6712	NRVA6AD-823W	CMF RESISTOR	82kΩ,1/16W
		R6713	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
		R7001	NRSA6AD-183W	MG RESISTOR	18kΩ,1/16W
		R7002	NRSA6AD-334W	MG RESISTOR	330kΩ,1/16W
		R7003	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
		R7004	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
		R8002	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
		R8004	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8007	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R8008	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8011	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8014	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8015	NRVA6AD-133W	CMF RESISTOR	13kΩ,1/16W
		R8016	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8022	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R8023	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R8024	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R8027	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R8028	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R8029	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R8033	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
		R8034	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R8035	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R8036	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8038	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8039	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R8040	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
		R8046	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		R8047	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R8051	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8056	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R8057	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R8058	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R8059	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8075	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8076	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8077	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8080	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
		R8101	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8104	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8105	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8106	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
		R8107	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
		R8108	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8110	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8115	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
		R8116	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8117	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8118	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
		R8119	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
		R8120	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
		R8122	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
		R8124	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R8128	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
		R8129	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
		R8130	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
		R8131	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8132	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
		R8133	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8134	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		R8401	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
		R8402	NRS181J-220X	MG RESISTOR	22Ω,1/8W
		R8403	NRS181J-220X	MG RESISTOR	22Ω,1/8W
		R8404	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
		R8405	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
		R8406	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
		R8407	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
		RA1001	NRZ0034-102W	NETWORK RESISTOR	1kΩ
		RA1002	NRZ0034-102W	NETWORK RESISTOR	1kΩ
		RA1003	NRZ0034-102W	NETWORK RESISTOR	1kΩ
		RA1004	NRZ0034-102W	NETWORK RESISTOR	1kΩ
		RA1005	NRZ0034-102W	NETWORK RESISTOR	1kΩ
		RA1006	NRZ0034-102W	NETWORK RESISTOR	1kΩ
		RA1007	NRZ0034-102W	NETWORK RESISTOR	1kΩ
		RA1008	NRZ0034-104W	NETWORK RESISTOR	100kΩ
		RA1009	NRZ0034-104W	NETWORK RESISTOR	100kΩ
		RA1010	NRZ0034-104W	NETWORK RESISTOR	100kΩ
		RA1401	NRZ0034-473W	NETWORK RESISTOR	47kΩ
		RA1403	NRZ0034-102W	NETWORK RESISTOR	1kΩ
		RA4301	NRZ0034-101W	NETWORK RESISTOR	100Ω
		RA4302	NRZ0034-101W	NETWORK RESISTOR	100Ω
		RA4303	NRZ0034-101W	NETWORK RESISTOR	100Ω
		RA4304	NRZ0034-101W	NETWORK RESISTOR	100Ω
		RA4305	NRZ0034-101W	NETWORK RESISTOR	100Ω
		RA4306	NRZ0034-101W	NETWORK RESISTOR	100Ω
		RA4307	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA4308	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA4309	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA4310	NRZ0034-100W	NETWORK RESISTOR	10Ω

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		RA8001	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA8002	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA8003	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA8004	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA8401	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA8402	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA8403	NRZ0034-100W	NETWORK RESISTOR	10Ω
		RA8404	NRZ0034-100W	NETWORK RESISTOR	10Ω
		C1001	NBE40JM-226X	T CAPACITOR	22μF,6.3V
		C1002	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1003	NBE40JM-226X	T CAPACITOR	22μF,6.3V
		C1004	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1005	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1006	NDCA1HJ-130W	CAPACITOR	13pF,50V
		C1007	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1008	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1009	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1010	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1011	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1012	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1013	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1014	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1015	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1016	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1017	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1018	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1019	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1023	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1026	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1027	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1028	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1029	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1030	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1031	NCF31AZ-105X	CAPACITOR	1μF,10V
		C1034	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C1035	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C1036	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C1037	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C1038	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C1039	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C1040	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
		C1101	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C1102	NCBA1CK-223W	CAPACITOR	0.022μF,16V
		C1103	NCBA1CK-223W	CAPACITOR	0.022μF,16V
		C1111	NCB30JK-105X	CAPACITOR	1μF,6.3V
		C1112	NBE90JM-106X	T CAPACITOR	10μF,6.3V
		C1113	NBE90JM-106X	T CAPACITOR	10μF,6.3V
		C1307	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C1401	NBE90JM-106X	T CAPACITOR	10μF,6.3V
		C1402	NBE90JM-106X	T CAPACITOR	10μF,6.3V
		C1405	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1406	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1408	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1409	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1410	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1411	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1412	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1413	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
		C1414	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C1415	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C1416	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C1417	NCBA1CK-223W	CAPACITOR	0.022μF,16V
		C1418	NCBA1CK-223W	CAPACITOR	0.022μF,16V
		C1419	NCBA1CK-223W	CAPACITOR	0.022μF,16V
		C1420	NCBA1CK-223W	CAPACITOR	0.022μF,16V
		C3001	NBE80JM-106X	T CAPACITOR	10μF,6.3V
		C3003	NCB21CK-105X	CAPACITOR	1μF,16V
		C3004	NCB21CK-105X	CAPACITOR	1μF,16V
		C3005	NBE80JM-106X	T CAPACITOR	10μF,6.3V
		C3007	NCB11CK-105X	CAPACITOR	1μF,16V
		C3008	NBE80JM-106X	T CAPACITOR	10μF,6.3V
		C3011	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3012	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3013	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3015	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3016	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3017	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3020	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3021	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3022	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3023	NDCA1HJ-330W	CAPACITOR	33pF,50V
		C3024	NCBA1HK-102W	CAPACITOR	0.001μF,50V
		C3025	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3026	NCB30JK-105X	CAPACITOR	1μF,6.3V
		C3027	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
		C3028	NDCA1EJ-271W	CAPACITOR	270pF,25V
		C3029	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3030	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3031	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3032	NCBA1HK-102W	CAPACITOR	0.001μF,50V
		C3033	NDCA1HJ-470W	CAPACITOR	47pF,50V
		C3034	NCBA1HK-102W	CAPACITOR	0.001μF,50V
		C3035	NDCA1HJ-330W	CAPACITOR	33pF,50V
		C3038	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3039	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3040	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3041	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3042	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3043	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3044	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3045	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3046	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3050	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3051	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3052	NCBA1HK-102W	CAPACITOR	0.001μF,50V
		C3053	NCBA1AK-473W	CAPACITOR	0.047μF,10V
		C3056	NCB30JK-105X	CAPACITOR	1μF,6.3V
		C3057	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3058	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3060	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3061	NCB21CK-105X	CAPACITOR	1μF,16V
		C3062	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3063	NCBA1AK-104W	CAPACITOR	0.1μF,10V
		C3501	NBE80JM-106X	T CAPACITOR	10μF,6.3V
		C3502	NBE80JM-106X	T CAPACITOR	10μF,6.3V
		C3503	NBE80JM-106X	T CAPACITOR	10μF,6.3V
		C3504	NCBA1AK-473W	CAPACITOR	0.047μF,10V
		C3505	NCBA1CK-223W	CAPACITOR	0.022μF,16V
		C3506	NCB21CK-105X	CAPACITOR	1μF,16V
		C3507	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3508	NCBA1CK-103W	CAPACITOR	0.01μF,16V
		C3509	NCBA1CK-103W	CAPACITOR	0.01μF,16V

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		C3510	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3511	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3512	NCB31CK-104X	CAPACITOR	0.1µF,16V
		C3513	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3514	NCBA1AK-473W	CAPACITOR	0.047µF,10V
		C3515	NCBA1AK-473W	CAPACITOR	0.047µF,10V
		C3516	NCBA1AK-473W	CAPACITOR	0.047µF,10V
		C3517	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3518	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3519	NCBA1HK-102W	CAPACITOR	0.001µF,50V
		C3520	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3521	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3522	NCB20JM-475X	CAPACITOR	4.7µF,6.3V
		C3523	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3524	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3525	NCB20JM-475X	CAPACITOR	4.7µF,6.3V
		C3526	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3527	NDCA1EJ-221W	CAPACITOR	220pF,25V
		C3701	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C3702	NDCA1HJ-181W	CAPACITOR	180pF,50V
		C3703	NDCA1HJ-680W	CAPACITOR	68pF,50V
		C3704	NDCA1HJ-181W	CAPACITOR	180pF,50V
		C3705	NDCA1HJ-680W	CAPACITOR	68pF,50V
		C3706	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3707	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
		C3708	NCB30JK-105X	CAPACITOR	1µF,6.3V
		C3710	NCB30JK-105X	CAPACITOR	1µF,6.3V
		C3711	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C3712	NBE40GM-107X	T CAPACITOR	100µF,4.0V
		C3713	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3714	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3716	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3717	NCB30JK-105X	CAPACITOR	1µF,6.3V
		C3718	NCB30JK-105X	CAPACITOR	1µF,6.3V
		C3901	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3902	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3903	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3904	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3905	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3906	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3907	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3908	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3909	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3910	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3911	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3912	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3913	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3914	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3915	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3916	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C3917	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3919	NCB21CK-105X	CAPACITOR	1µF,16V
		C3920	NCB11CK-105X	CAPACITOR	1µF,16V
		C3923	NBE20GM-476X	T CAPACITOR	47µF,4.0V
		C3951	NBE20JM-226X	T CAPACITOR	22µF,6.3V
		C3954	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C3955	NDCA1HJ-3R0W	CAPACITOR	3pF,50V
		C3956	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
		C3957	NDCA1HJ-330W	CAPACITOR	33pF,50V
		C3958	NCB20JM-475X	CAPACITOR	4.7µF,6.3V
		C3959	NCBA1CK-103W	CAPACITOR	0.01µF,16V

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		C3961	NCBA1HK-102W	CAPACITOR	0.001µF,50V
		C3962	NDCA1HJ-3R0W	CAPACITOR	3pF,50V
		C3963	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
		C3964	NDCA1HJ-330W	CAPACITOR	33pF,50V
		C3965	NCBA1HK-102W	CAPACITOR	0.001µF,50V
		C3967	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C3968	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C4201	NBE40GM-107X	T CAPACITOR	100µF,4.0V
		C4202	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4203	NCB30JK-105X	CAPACITOR	1µF,6.3V
		C4204	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4205	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4206	NCB21CK-105X	CAPACITOR	1µF,16V
		C4207	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4208	NCBA1HK-392W	CAPACITOR	0.0039µF,50V
		C4209	NCB30JK-105X	CAPACITOR	1µF,6.3V
		C4210	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4211	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4212	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4213	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4214	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4215	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4216	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4301	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4303	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4304	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4305	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C4306	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4307	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C4308	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4309	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4310	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C4311	NCB30JK-105X	CAPACITOR	1µF,6.3V
		C4312	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4313	NBE20JM-226X	T CAPACITOR	22µF,6.3V
		C4314	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4315	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C4317	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4318	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4319	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4320	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4321	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4323	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4324	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C4325	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4327	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4328	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4329	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4330	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4331	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C4332	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4333	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4334	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4335	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4336	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4337	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4338	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4339	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4340	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4341	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C4342	NCBA1AK-104W	CAPACITOR	0.1µF,10V

#	⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
	C4343	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C4344	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C4345	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C4346	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C4347	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C4348	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C4349	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C4350	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5501	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5503	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5504	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5505	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5506	NBE40GM-476X	T CAPACITOR	47µF,4.0V
	C5507	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5508	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5509	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5510	NBP21VM-105X	T CAPACITOR	1µF,35V
	C5511	NBP21DM-475X	T CAPACITOR	4.7µF,20V
	C5512	NBE21AM-106X	T CAPACITOR	10µF,10V
	C5513	NCB31CK-104X	CAPACITOR	0.1µF,16V
	C5514	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5515	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5516	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5517	NCB31CK-104X	CAPACITOR	0.1µF,16V
	C5518	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C5519	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C6001	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6002	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
	C6003	NBE80JM-106X	T CAPACITOR	10µF,6.3V
	C6004	NCB21CK-105X	CAPACITOR	1µF,16V
	C6005	NDCA1HJ-101W	CAPACITOR	100pF,50V
	C6101	NCB21CK-105X	CAPACITOR	1µF,16V
	C6102	NBP41CM-106X	T CAPACITOR	10µF,16V
	C6103	NCB21CK-105X	CAPACITOR	1µF,16V
	C6105	NCB21CK-105X	CAPACITOR	1µF,16V
	C6106	NCB21CK-105X	CAPACITOR	1µF,16V
	C6107	NCB21CK-105X	CAPACITOR	1µF,16V
	C6108	NCB21CK-105X	CAPACITOR	1µF,16V
	C6109	NCB21CK-105X	CAPACITOR	1µF,16V
	C6110	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C6111	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C6112	NCBA1AK-333W	CAPACITOR	0.033µF,10V
	C6113	NCBA1HK-561W	CAPACITOR	560pF,50V
	C6114	NCBA1HK-272W	CAPACITOR	0.0027µF,50V
	C6115	NCBA1HK-561W	CAPACITOR	560pF,50V
	C6116	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6117	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C6118	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C6119	NDCA1HJ-101W	CAPACITOR	100pF,50V
	C6120	NCB11CK-105X	CAPACITOR	1µF,16V
	C6121	NCB31CK-104X	CAPACITOR	0.1µF,16V
	C6122	NCBA1AK-333W	CAPACITOR	0.033µF,10V
	C6123	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6124	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6125	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6126	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6127	NCBA1HK-102W	CAPACITOR	0.001µF,50V
	C6128	NCB21CK-105X	CAPACITOR	1µF,16V
	C6129	NCBA1HK-561W	CAPACITOR	560pF,50V
	C6130	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C6132	NCBA1AK-104W	CAPACITOR	0.1µF,10V

#	⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
	C6134	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C6201	NCB21CK-105X	CAPACITOR	1µF,16V
	C6202	NCB10JK-106X	CAPACITOR	10µF,6.3V
	C6203	NCBA1HK-102W	CAPACITOR	0.001µF,50V
	C6204	NCBA1HK-561W	CAPACITOR	560pF,50V
	C6205	NCB21CK-105X	CAPACITOR	1µF,16V
	C6206	NCB21CK-105X	CAPACITOR	1µF,16V
	C6207	NCB10JK-106X	CAPACITOR	10µF,6.3V
	C6208	NCBA1EK-472W	CAPACITOR	0.0047µF,25V
	C6209	NCB21CK-105X	CAPACITOR	1µF,16V
	C6210	NCB10JK-106X	CAPACITOR	10µF,6.3V
	C6211	NCBA1HK-102W	CAPACITOR	0.001µF,50V
	C6214	NCB21CK-105X	CAPACITOR	1µF,16V
	C6215	NCB21CK-105X	CAPACITOR	1µF,16V
	C6216	NCBA1AK-683W	CAPACITOR	0.068µF,10V
	C6217	NCB21CK-105X	CAPACITOR	1µF,16V
	C6218	NCB21CK-105X	CAPACITOR	1µF,16V
	C6219	NCB21CK-224X	CAPACITOR	0.22µF,16V
	C6220	NCB21CK-105X	CAPACITOR	1µF,16V
	C6221	NCB11EK-105X	CAPACITOR	1µF,25V
	C6222	NCB11EK-105X	CAPACITOR	1µF,25V
	C6224	NCBA1HK-102W	CAPACITOR	0.001µF,50V
	C6225	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6226	NCB21CK-105X	CAPACITOR	1µF,16V
	C6227	NCB11EK-105X	CAPACITOR	1µF,25V
	C6228	NCB11EK-105X	CAPACITOR	1µF,25V
	C6230	NCB21CK-105X	CAPACITOR	1µF,16V
	C6601	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C6602	NCB21CK-105X	CAPACITOR	1µF,16V
	C6603	NCBA1HK-102W	CAPACITOR	0.001µF,50V
	C6604	NCBA1AK-473W	CAPACITOR	0.047µF,10V
	C6611	NCBA1CK-223W	CAPACITOR	0.022µF,16V
	C6612	NDCA1EJ-221W	CAPACITOR	220pF,25V
	C6613	NDCA1EJ-121W	CAPACITOR	120pF,25V
	C6701	NCB21CK-105X	CAPACITOR	1µF,16V
	C6703	NCB11CK-105X	CAPACITOR	1µF,16V
	C7001	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C7002	NCB21CK-105X	CAPACITOR	1µF,16V
	C7003	NCB21AK-225X	CAPACITOR	2.2µF,10V
	C7004	NBE81AM-106X	T CAPACITOR	10µF,10V
	C8001	NBE90JM-106X	T CAPACITOR	10µF,6.3V
	C8002	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C8003	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C8004	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C8005	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C8006	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C8007	NBE80JM-106X	T CAPACITOR	10µF,6.3V
	C8008	NCB30JK-105X	CAPACITOR	1µF,6.3V
	C8009	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C8010	NBE80JM-106X	T CAPACITOR	10µF,6.3V
	C8011	NCB30JK-105X	CAPACITOR	1µF,6.3V
	C8014	NCB30JK-105X	CAPACITOR	1µF,6.3V
	C8015	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C8017	NCBA1AK-104W	CAPACITOR	0.1µF,10V
	C8020	NBE80JM-106X	T CAPACITOR	10µF,6.3V
	C8021	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C8022	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C8023	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C8024	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C8025	NCBA1CK-103W	CAPACITOR	0.01µF,16V
	C8026	NCBA1CK-103W	CAPACITOR	0.01µF,16V

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		C8027	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8028	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8029	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8030	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8031	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8032	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8033	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8034	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8035	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8036	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8037	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8038	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8039	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8040	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8041	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8042	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8043	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8044	NBE20JM-226X	T CAPACITOR	22µF,6.3V
		C8045	NBE20JM-226X	T CAPACITOR	22µF,6.3V
		C8046	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C8048	NBE20JM-226X	T CAPACITOR	22µF,6.3V
		C8049	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8050	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8051	NBE20JM-226X	T CAPACITOR	22µF,6.3V
		C8052	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8054	NCB31HK-392X	CAPACITOR	0.0039µF,50V
		C8056	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8057	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8058	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C8059	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8060	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8063	NBE20JM-226X	T CAPACITOR	22µF,6.3V
		C8064	NBE20JM-226X	T CAPACITOR	22µF,6.3V
		C8065	NBE20JM-226X	T CAPACITOR	22µF,6.3V
		C8101	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C8102	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C8103	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8104	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8105	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8106	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8107	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8108	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8109	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8110	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8111	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8112	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8113	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8114	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8115	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8116	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8117	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
		C8118	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
		C8119	NCBA1CK-103W	CAPACITOR	0.01µF,16V
		C8401	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		C8402	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C8403	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C8404	NCBA1AK-104W	CAPACITOR	0.1µF,10V
		C8405	NBE80JM-106X	T CAPACITOR	10µF,6.3V
		L1001	NQL315K-100X	COIL	10µH
		L1002	NQL315K-100X	COIL	10µH
		L1101	NQL402M-100X	COIL	10µH

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		L1401	NQR0006-001X	FERRITE BEAD	
		L1402	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
		L3001	NQR0006-001X	FERRITE BEAD	
		L3002	NQR0129-002X	FERRITE BEAD	
		L3003	NQR0129-002X	FERRITE BEAD	
		L3004	NQR0006-001X	FERRITE BEAD	
		L3005	NQR0129-002X	FERRITE BEAD	
		L3006	NQR0006-001X	FERRITE BEAD	
		L3007	NQL085J-2R2X	COIL	2.2µH
		L3008	NQL085J-120X	COIL	12µH
		L3009	NQL085J-120X	COIL	12µH
		L3012	NQR0006-001X	FERRITE BEAD	
		L3013	NQR0006-001X	FERRITE BEAD	
		L3501	NQR0129-002X	FERRITE BEAD	
		L3502	NQL402M-100X	COIL	10µH
		L3503	NQR0006-001X	FERRITE BEAD	
		L3504	NQR0006-001X	FERRITE BEAD	
		L3505	NQR0006-001X	FERRITE BEAD	
		L3701	NQL38DK-100X	COIL	10µH
		L3901	NQR0006-001X	FERRITE BEAD	
		L3902	NQR0129-002X	FERRITE BEAD	
		L3904	NQL04DK-220X	COIL	22µH
		L3951	NQL402M-100X	COIL	10µH
		L3952	NQL085J-6R8X	COIL	6.8µH
		L3953	NQL085J-6R8X	COIL	6.8µH
		L4201	NQR0129-002X	FERRITE BEAD	
		L4301	NQR0129-002X	FERRITE BEAD	
		L4302	NQR0129-002X	FERRITE BEAD	
		L4303	NQL315K-100X	COIL	10µH
		L4304	NQL315K-220X	COIL	22µH
		L4305	NQR0129-002X	FERRITE BEAD	
		L4306	NQR0129-002X	FERRITE BEAD	
		L4307	NQL315K-100X	COIL	10µH
		L5501	NQL315K-100X	COIL	10µH
		L5502	NQR0129-002X	FERRITE BEAD	
		L5503	NQR0129-002X	FERRITE BEAD	
		L5504	NQR0129-002X	FERRITE BEAD	
		L5505	NQL315K-100X	COIL	10µH
		L5506	NQL315K-100X	COIL	10µH
		L6101	NQLZ011-4R7X	COIL	4.7µH
		L6102	NQLZ011-4R7X	COIL	4.7µH
		L6201	NQLZ011-390X	COIL	39µH
		L6202	NQLZ011-390X	COIL	39µH
		L6203	NQLZ011-390X	COIL	39µH
		L6204	NQL144K-220X	COIL	22µH
		L6206	NQLZ011-470X	COIL	47µH
		L6207	NQLZ011-470X	COIL	47µH
		L6208	NQLZ011-221X	COIL	220µH
		L6209	NQL144K-221X	COIL	220µH
		L6210	NQL144K-220X	COIL	22µH
		L6601	NQR0006-001X	FERRITE BEAD	
		L6701	NQLZ007-100X	COIL	10µH
		L7001	NQL402M-100X	COIL	10µH
		L7002	NQL402M-100X	COIL	10µH
		L8001	NQR0129-002X	FERRITE BEAD	
		L8002	NQR0129-002X	FERRITE BEAD	
		L8003	NQR0129-002X	FERRITE BEAD	
		L8005	NQR0129-002X	FERRITE BEAD	
		L8006	NQR0129-002X	FERRITE BEAD	
		L8007	NQR0129-002X	FERRITE BEAD	
		L8008	NQR0129-002X	FERRITE BEAD	

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		L8010	NQR0129-002X	FERRITE BEAD	
		L8011	NQR0129-002X	FERRITE BEAD	
		L8012	NQR0129-002X	FERRITE BEAD	
		L8101	NQR0006-001X	FERRITE BEAD	
		L8102	NQR0006-001X	FERRITE BEAD	
		L8401	NQR0006-001X	FERRITE BEAD	
		L8402	NQR0006-001X	FERRITE BEAD	
		X1001	NAX0474-001X	C OSCILLATOR	
		X1002	NAX0325-001X	CRYSTAL RESONATOR	
		X5501	NAX0356-001X	CXO	
		X8002	NAX0354-001X	RESONATOR	
		X8101	NAX0402-001X	CRYSTAL RESONATOR	
		X8401	NAX0398-001X	C OSCILLATOR	
		S1001	NSW0132-001X	DETECT SWITCH,MONITOR SW	
		FW1	QAL0246-002	FPC,BATTERY TERMINAL	
		FW2	QAL0303-001	FPC,CN103-JACK CN901	
		TB1	LY31799-001A	BATTERY TERMINAL	
		J101	NNZ0028-001	D CONNECTOR	
		CN101	QGB0405L1-80X	CONNECTOR	
		CN102	QGB0405L1-80X	CONNECTOR	
		CN103	QGF0507F3-18X	FFC/FPC CONNECTOR	
		CN104	QGA1001F1-03X	CONNECTOR	
		CN105	QGB0506L1-20X	CONNECTOR	
		CN106	QGF0301F1-45X	FPC CONNECTOR	
		CN107	QGF0503F2-20X	FFC/FPC CONNECTOR	
		CN109	QGF0517F1-12X	FPC CONNECTOR	
		CN110	QGF0513F1-08X	FPC CONNECTOR	
		CN111	QGF0513F2-06X	FPC CONNECTOR	
		CN112	QGF0507F3-16X	FFC/FPC CONNECTOR	
	⚠	F6101	NMFZ007-2R0X-K	FUSE	T2.0A,50V
		OT1	LY30029-0G1B	SPACER(A)	
		OT2	LY30029-0J1A	SPACER(A)	
		OT3	LY30029-039A	SPACER(A)	
		OT4	LY30029-0F9A	SPACER(A),X2	
		OT5	LY30029-0G2B	SPACER(A)	
		OT6	LY30029-0E2A	SPACER(A)	
		OT7	LY30029-0Q3A	SPACER(A)	
		OT8	LY30029-0Q1A	SPACER(A)	
		SD1	LY31714-001A	SHIELD CASE	
		SD2	LY43131-001A	SHIELD PLATE	
		SD3	LY43181-001A	SHIELD SHEET	

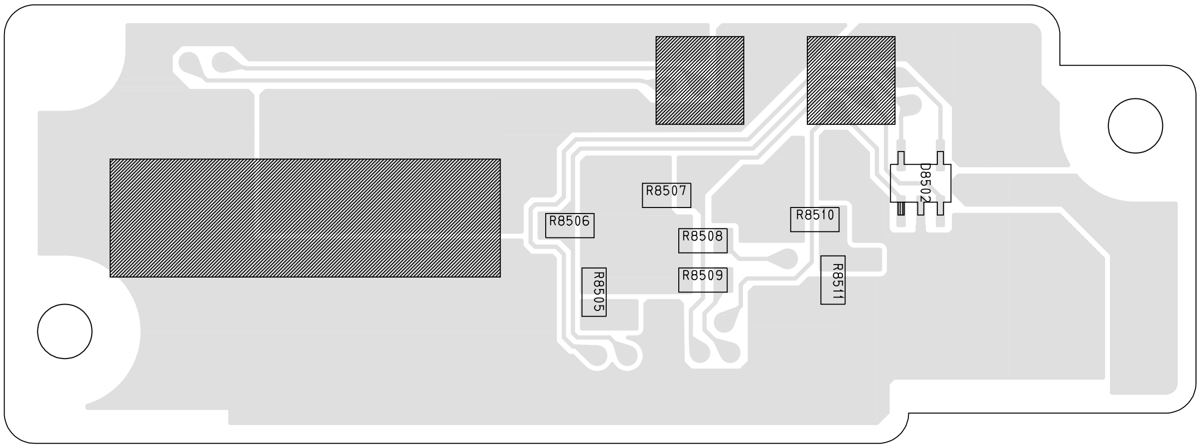
#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

SECTION 4
CHARTS AND DIAGRAM

4.1 JUNCTION CIRCUIT BOARD

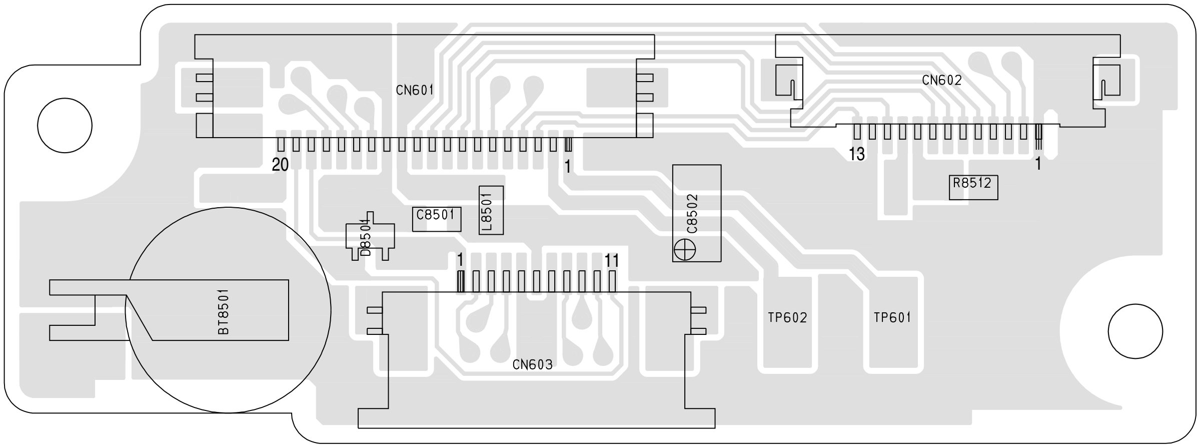
06 JUNCTION PWB
YB10323-01-02

FOIL SIDE(B)


R8507
R8506
R8508
R8510
D8502
R8509
R8505
R8511

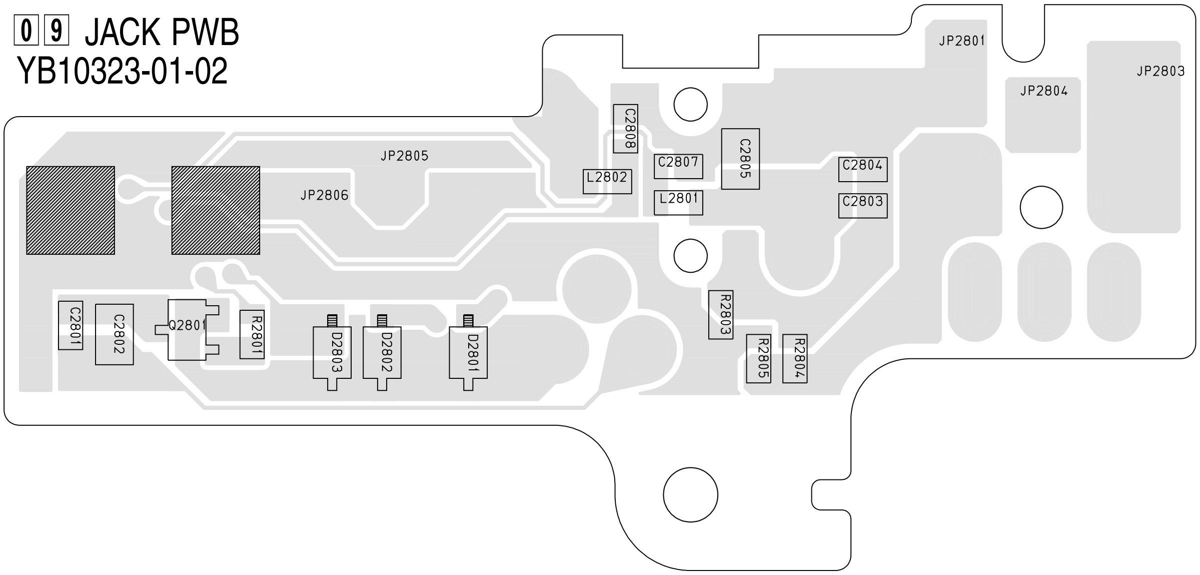
COMPONENT SIDE(A)

06 JUNCTION PWB
YB10323-01-02


CN601
CN602
20
1
13
1
R8512
C8501
L8501
D8501
C8502
1
11
BT8501
TP602
TP601
CN603

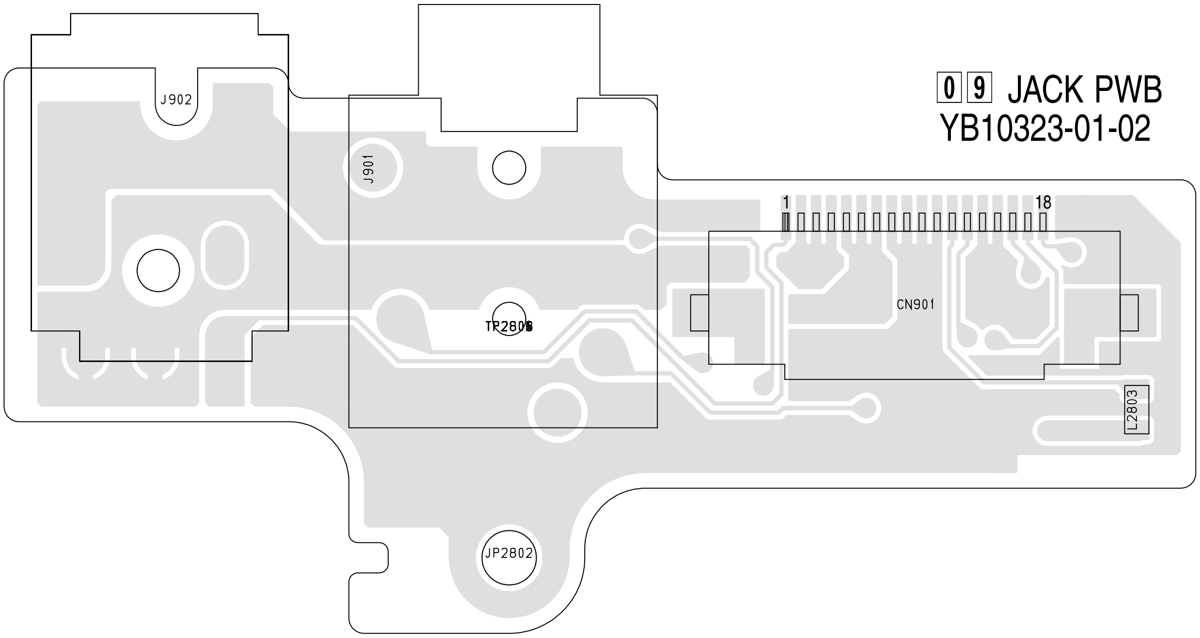
4.2 JACK CIRCUIT BOARD

FOIL SIDE(B)



09 JACK PWB
YB10323-01-02
JP2801
JP2803
JP2804
JP2805
JP2806
C2808
C2807
C2805
C2804
C2803
L2802
L2801
C2801
C2802
Q2801
R2801
D2803
D2802
D2801
R2803
R2805
R2804

COMPONENT SIDE(A)



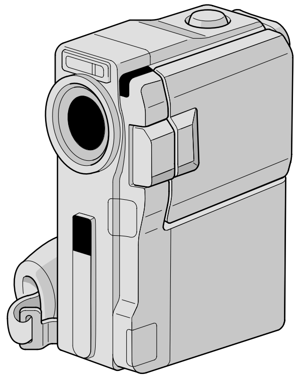
09 JACK PWB
YB10323-01-02
J902
J901
1
18
CN901
TP2806
L2803
JP2802

JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVX44EG/EK,DVX77EG/EK,DVX88EG



Mini DV PAL

DIGITAL STILL CAMERA

SPECIFICATIONS

Camcorder

For General

Power supply	: DC 11.0 V ⎓ (Using AC Adapter) DC 7.2 V ⎓ (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.4 W (GR-DVX88/DVX77), Approx. 4.0 W (GR-DVX44)
LCD monitor on, viewfinder off	: Approx. 5.2 W (GR-DVX88/DVX77), Approx. 4.8 W (GR-DVX44)
Dimensions (W x H x D)	: 51 mm x 120 mm x 97 mm (with the LCD monitor closed and the viewfinder pushed back in)
Weight	: Approx. 500 g (GR-DVX88/DVX77) Approx. 470 g (GR-DVX44)
Operating temperature	: 0°C to 40°C
Operating humidity	: 35% to 80%
Storage temperature	: –20°C to 50°C
Pickup	: 1/4" CCD
Lens	: F 1.8, f = 3.6 mm to 36 mm, 10:1 power zoom lens
Filter diameter	: ø27 mm
LCD monitor	: 2.5" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	: Electronic viewfinder with 0.44" colour LCD
Speaker	: Monaural

For Digital Video Camera

Format	: DV format (SD mode)
Signal format	: PAL standard
Recording/Playback format	: Video: Digital component recording : Audio: PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)
Cassette	: Mini DV cassette
Tape speed	: SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time (using 80 min. cassette)	: SP: 80 min. LP: 120 min.

For Digital Still Camera (GR-DVX88/DVX77 only)

Storage media	: SD Memory Card/MultiMediaCard
Compression system	: Still image : JPEG (compatible)
Moving image : MPEG4 (compatible)	
File size	: 2 modes (XGA: 1024 x 768 pixels/VGA: 640 x 480 pixels)
Picture quality	: 2 modes (FINE/STANDARD)
Approximate number of storable images	
(with the provided memory card [8 MB], with Sound Effects pre-stored)	
FINE	: 40 (VGA), 20 (XGA)
STANDARD	: 130 (VGA), 60 (XGA)
(with an optional memory card [16 MB])	
FINE	: 100 (VGA), 40 (XGA)
STANDARD	: 290 (VGA), 140 (XGA)
(with an optional memory card [32 MB])	
FINE	: 210 (VGA), 90 (XGA)
STANDARD	: 610 (VGA), 290 (XGA)
(with an optional memory card [64 MB])	
FINE	: 430 (VGA), 190 (XGA)
STANDARD	: 1230 (VGA), 600 (XGA)

For Connectors

AV	
Video output	: 1 V (p-p), 75 Ω, analogue
Audio output	: 300 mV (rms), 1 kΩ, analogue, stereo
Headphone output (GR-DVX88/DVX77 only)	: Stereo
DV	
Input/output (GR-DVX88 only)	: 4-pin, IEEE 1394 compliant
Output (GR-DVX77/DVX44 only)	: 4-pin, IEEE 1394 compliant

AC adapter AP-V10EG

Power requirement	: AC 110 V to 240 V∿, 50 Hz/60 Hz
Output	: DC 11 V ⎓ , 1 A
Dimensions (W x H x D)	: 59 mm x 31 mm x 84 mm
Weight	: Approx. 140 g (not including Power Cord)

Jack Box

For General

Dimensions (W x H x D)	: 52 mm x 22 mm x 73 mm
Weight	: Approx. 35 g

For Connectors

USB (GR-DVX88/DVX77 only)	: Type B
EDIT (GR-DVX88/DVX77 only)	: ø3.5 mm, 2-pole
S-Video	
Output	: Y : 1 V (p-p), 75 Ω, analogue C : 0.29 V (p-p), 75 Ω, analogue
JLIP (GR-DVX44 only)	: ø3.5 mm, 4-pole
PC (DIGITAL PHOTO) (GR-DVX44 only)	: ø2.5 mm, 3-pole

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

JVC

GR-DVDVX44EG/EK,DVX77EG/EK,DVX88EG

No. 86617

JVC

VICTOR COMPANY OF JAPAN, LIMITED
VIDEO DIVISION

S40894

Printed in Japan

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The following table lists the differing points between Models GR-DVX44EG/EK, GR-DVX77EG/EK and GR-DVX88EG in this series.

	GR-DVX44EG	GR-DVX44EK	GR-DVX77EG	GR-DVX77EK	GR-DVX88EG
VIDEO FLASH	NOT USED		USED		
DSC FLASH MEMORY					
DIGITAL SOUND RECODING					
DV INPUT	NOT USED				USED
HEAD PHONE OUTPUT	NOT USED		USED		
MEMORY CARD	NOT USED		USED (8 MB)		
JACK BOX	CU-V505		CU-V506		
USB CABLE	NOT USED		USED		
USB TERMINAL					
PC CONNECTION CABLE	USED		NOT USED		
JLIP/EDIT TERMINAL					

Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

● Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the ⚠ symbol and shaded (▨) parts are critical for safety.
   Replace only with specified part numbers.
   Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
   Caution for continued protection against fire hazard.
   Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape 3) Spacers 5) Barrier
   2) PVC tubing 4) Insulation sheets for transistors

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

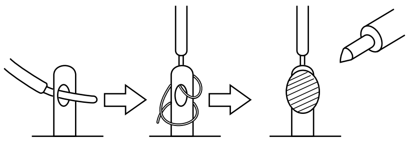


Fig.1

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

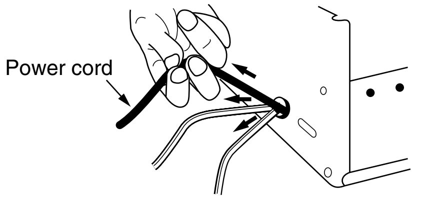


Fig.2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
    In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission.
    Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits.
    Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector
    In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

    1) Connector part number : E03830-001
    2) Required tool : Connector crimping tool of the proper type which will not damage insulated parts.
    3) Replacement procedure
    (1) Remove the old connector by cutting the wires at a point close to the connector.
    Important : Do not reuse a connector (discard it).

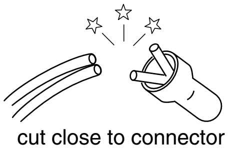


Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

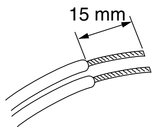


Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

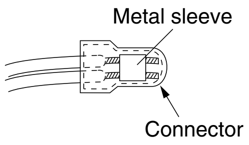


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

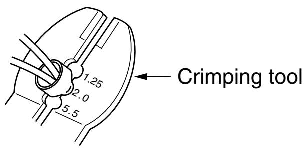


Fig.6

(5) Check the four points noted in Fig.7.

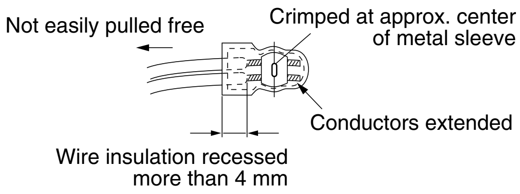

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

Fig.7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. **Insulation resistance test**
   Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. **Dielectric strength test**
   Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. **Clearance distance**
   When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

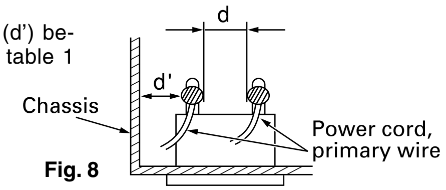


Fig. 8

4. **Leakage current test**
   Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).
   Measuring Method : (Power ON)
   Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

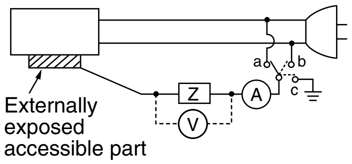


Fig. 9

5. **Grounding (Class 1 model only)**
   Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).
   Measuring Method:
   Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

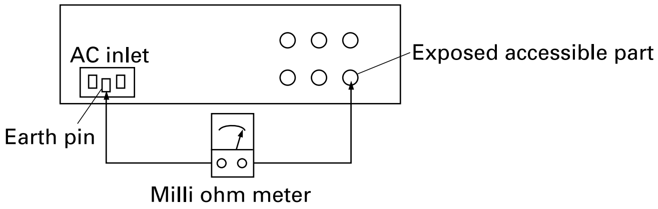


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R ≧ 1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 miute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	1 MΩ ≦ R ≦ 12 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R ≧ 10 MΩ/500 V DC	AC 3 kV 1 minute (Class Ⅱ) AC 1.5 kV 1 minute (Class Ⅰ)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Table 1 Specifications for each region

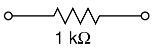
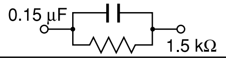
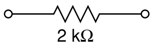
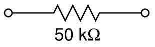
AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan		i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada		i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia		i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
			i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1
DISASSEMBLY

1.1 BEFORE ASSEMBLY AND DISASSEMBLY

1.1.1 Precautions

1. Be sure to remove the power supply unit prior to mounting and soldering of parts.
2. When removing a component part that needs to disconnect the connector and to remove the screw for removing itself, first disconnect the connecting wire from the connector and then remove the screw beforehand.
3. When connecting and disconnecting the connectors, be careful not to damage the wire.
4. Carefully remove and handle the part to which some spacer or shield is attached for reinforcement or insulation.
5. When replacing chip parts (especially IC parts), desolder completely first (to prevent peeling of the pattern).
6. Tighten screws properly during the procedures. Unless specified otherwise, tighten screws at a torque of 0.078N•m(0.8kgf•cm).

1.1.2 Assembly and disassembly

STEP No.	PART	Fig.No.	POINT	NOTE
①	DECK OPE ASSY	Fig.1-3-1	2(S①), (L①) ☆CN①a	—
②	MIC UNIT		2(S②),2(L②) ☆CN②a	NOTE②
③	FRONT COVER ASSY	Fig.1-3-2	COVER(DV),(S③a),3(S③b) 2(S③c),(S③d),STUD(HOOK) (L③) ☆CN③a	NOTE③a NOTE③b

(1) (2) (3) (4) (5)

(1) Indicate the disassembly steps. When assembling, perform in the reverse order of these steps. This number corresponds to the number in the disassembly diagram.
(2) Indicates the name of disassembly/assembly parts.
(3) Indicates the number in the disassembly diagram.
(4) Indicates parts and points such as screws, washers, springs which must be removed during disassembly/assembly.

Symbol	Name, Point
S	Screw
L	Lock, Pawl, Hook
SD	Soldering
☆(Others)	Connector, Cover, Bracket, etc.

(Example)
- 2 (S①) : Remove the two screws (S①) for removing the part ①.
- CN ①a: Disconnect the connector ①a.
- SD1 : Unsolder at the point SD1.

(5) Precautions on disassembly/assembly.

1.1.3 Destination of connectors

Note: *Three kinds of double-arrows in connection tables respectively show kinds of connector/wires.*

↔ : Wire
⇔ : Flat wire (FPC, FFC)
⬌ : Board to Board connector

[Example]

CONN. No.	CONNECTOR			Pin No.
①a	DECK OPE ASSY -	⇔	AUDIO CN803	6
②a	AUDIO CN804	⇔	MIC UNIT -	4

1.1.4 Disconnection of Connectors (Wires)

Connector

Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.

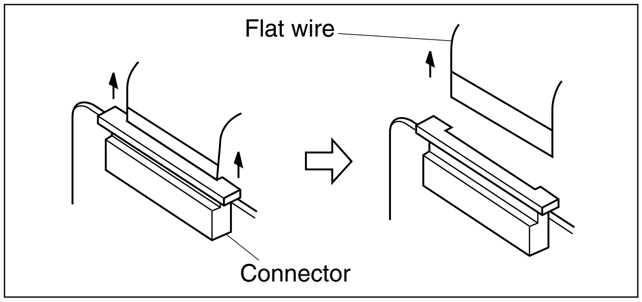


Fig. 1-1-1 Connector 1

Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.

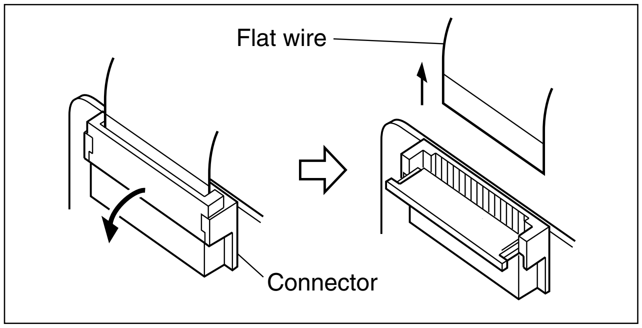


Fig. 1-1-2 Connector 2

B-B connector

Pull the board by both the sides in the direction of the arrow for disconnecting the B-B connector.

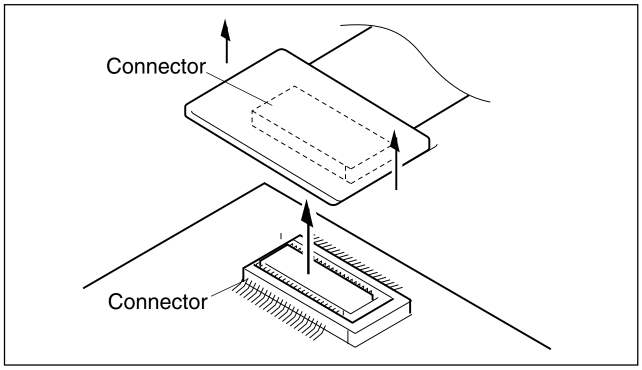


Fig. 1-1-3 Connector 3

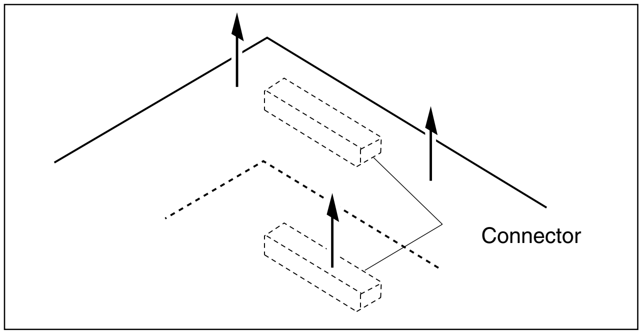


Fig. 1-1-4 Connector 4

1.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

1.2.1 Tools required for adjustments

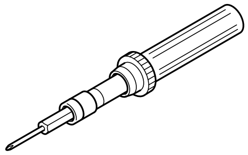
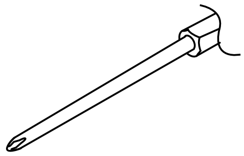
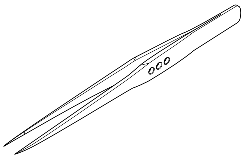
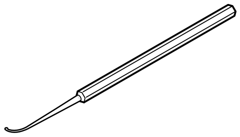
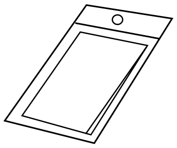
1 Torque Driver YTU94088	2 Bit YTU94088-003
	
3 Tweezers P-895	4 Chip IC Replacement Jig PTS40844-2
	
5 Cleaning Cloth KSMM-01	
	

Table 1-2-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement jig**
   To be used for adjustment of the camera system.
5. **Cleaning cloth**
   Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order.

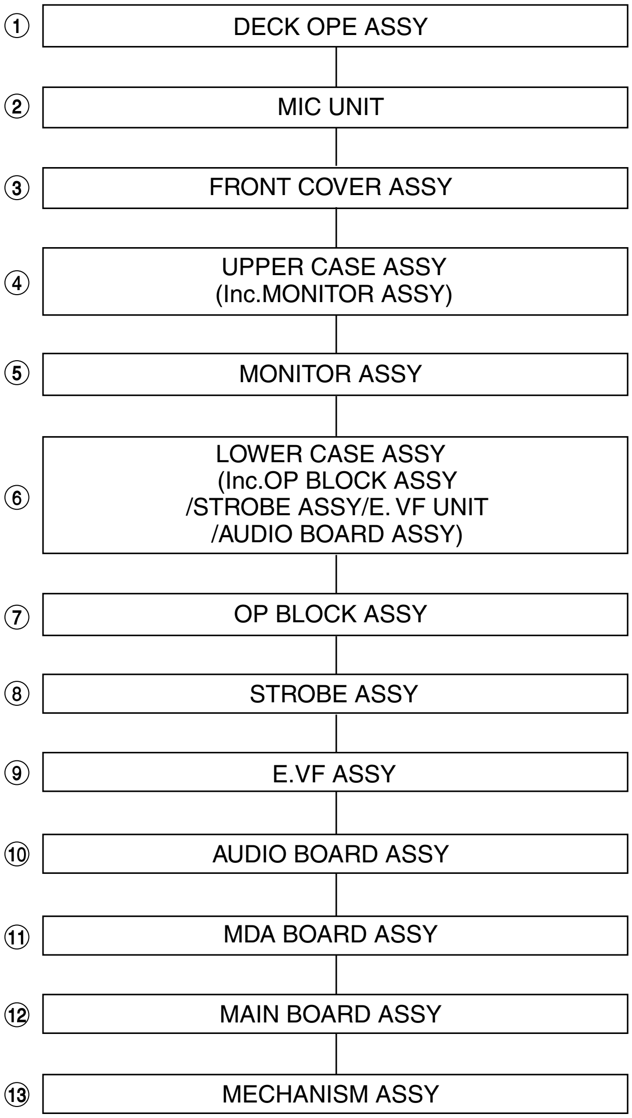

① DECK OPE ASSY
② MIC UNIT
③ FRONT COVER ASSY
④ UPPER CASE ASSY (Inc.MONITOR ASSY)
⑤ MONITOR ASSY
⑥ LOWER CASE ASSY (Inc.OP BLOCK ASSY /STROBE ASSY/E. VF UNIT /AUDIO BOARD ASSY)
⑦ OP BLOCK ASSY
⑧ STROBE ASSY
⑨ E.VF ASSY
⑩ AUDIO BOARD ASSY
⑪ MDA BOARD ASSY
⑫ MAIN BOARD ASSY
⑬ MECHANISM ASSY

Table 1-3-1

1.3.2 Disassembly method

STEP No.	PART	Fig.No.	POINT	NOTE
①	DECK OPE ASSY	Fig.1-3-1	2(S①), (L①) ☆CN ①a	—
②	MIC UNIT		2(S②), 2(L②) ☆CN ②a	NOTE②
③	FRONT COVER ASSY	Fig.1-3-2	COVER(DV), (S③a), 3(S③b) 2(S③c), (S③d), STUD(HOOK) (L③) ☆CN ③a	NOTE③a NOTE③b
④	UPPER CASE ASSY (Inc.MONITOR ASSY)	Fig.1-3-3	(S④a), 2(L④), LOCK(MONITOR) (S④b), (S④c), (S④d), 2(S④e) ☆CN ④a, ④b, ④c, ④d	NOTE④a NOTE④b NOTE④c
⑤	MONITOR ASSY	Fig.1-3-4	(S⑤a),(S⑤b)	NOTE⑤
⑥	LOWER CASE ASSY (Inc.OP BLOCK ASSY /STROBE ASSY /E. VF ASSY /AUDIO BOARD ASSY)	Fig.1-3-5	☆CN ⑥a, ⑥b,⑥c, ⑥d, ⑥e (S⑥a), 4(S⑥b)	NOTE⑥a NOTE⑥b NOTE⑥c
⑦	OP BLOCK ASSY	Fig.1-3-6	2(S⑦),2(L⑦)	NOTE⑦a NOTE⑦b NOTE⑦c
⑧	STROBE ASSY	Fig.1-3-7	(S⑧),GR-DVX77EG/EK,DVX88EG	NOTE⑧
⑨	E.VF ASSY	Fig.1-3-8	☆CN ⑨a, (⑨b) (S⑨), 2(L⑨)	NOTE⑨a NOTE⑨b NOTE⑨c NOTE⑨d
⑩	AUDIO BOARD ASSY	Fig.1-3-9	SPACER,(S⑩a),3(S⑩b),(L⑩a) (L⑩b),BRACKET(TOP)	NOTE⑩a NOTE⑩b
⑪	MDA BOARD ASSY	Fig.1-3-10	☆CN ⑪a, ⑪b, ⑪c, (S⑪) ☆CN ⑪d, ⑪e	NOTE⑪a NOTE⑪b NOTE⑪c
⑫	MAIN BOARD ASSY		(S⑫a), (L⑫), SHIELD PLATE ☆CN ⑫a, ⑫b, (S⑫b)	NOTE⑫
⑬	MECHANISM ASSY		(S⑬a), 2(S⑬b), 2(L⑬) BRACKET(MECHA)	—

Table 1-3-2

Note: *Remove the parts marked in* ▨ .

CONN. No.	CONNECTOR					Pin No.
①a	DECK OPE ASSY	-	⇔	AUDIO	CN803	6
②a	AUDIO	CN804	⟷	MIC UNIT	-	4
③a	JACK	CN901	⇔	MAIN	CN103	18
④a	MDA	CN207	⇔	SUB OPE ASSY	-	7
④b	MAIN	CN104	⟷	W/B	-	3
④c	MAIN	CN106	⇔	MONITOR	CN761	45/39
④d	MAIN	CN112	⇔	J.BOX/MENU	-	16
⑥a	MAIN	CN101	⬌	AUDIO	CN801	80
⑥b	MAIN	CN107	⇔	CCD	-	20
⑥c	MAIN	CN109	⇔	STROBE	-	12
⑥d	MDA	CN205	⇔	OP BLOCK ASSY	-	24
⑥e	MAIN	CN208	⇔	JUNCTION	CN601	20
⑨a	AUDIO	CN805	⇔	E. VF ASSY	CN1	16
⑨b	AUDIO	CN803	⇔	FPC	-	6
⑪a	MDA	CN202	⇔	DRUM MOTOR	-	11
⑪b	MDA	CN201	⇔	LOADING MOTOR	-	6
⑪c	MDA	CN203	⇔	CAPSTAN MOTOR	-	18
⑪d	MAIN	CN102	⬌	MDA	CN206	80
⑪e	MDA	CN204	⇔	SENSOR	-	15
⑫a	MAIN	CN110	⇔	HEAD	-	8
⑫b	MAIN	CN111	⇔	ROTARY ENCODER	-	6

Table 1-3-3

NOTE ②: *Beware of electrical shock due to the capacitor during work. (GR-DVX77EG/EK and GR-DVX88EG)*

NOTE ③a: *When disassembling the Front Cover Assembly, remove the screws, pull out the studs and free the grip belt.*

NOTE ③b: *When attaching the assembly, make sure that the strobe block fits properly into the frame.*
(GR-DVX77EG/EK and GR-DVX88EG)

NOTE ④a: *Remove the Upper Case Assembly before removing the Monitor Assembly⑤.*

NOTE ④b: *Take care not to damage the parts (battery terminals).*

NOTE ④c: *Take care not to damage the parts (spring).*

NOTE ⑤: *Refer to Fig. 1-4-1 for the disassembly method.*

NOTE ⑥a: *Remove the board assemblies (Main/MDA) and Mechanism Assembly together.*

NOTE ⑥b: *When removing, take care not to disconnect the wire or damage any of the parts.*

NOTE ⑥c: *When attaching, be careful of the board attaching position.*

NOTE ⑦a: *Remove the OP Block Assembly together with the Strobe Assembly. Beware of electrical shock due to the capacitor during work.*
(GR-DVX77EG/EK and GR-DVX88EG)

NOTE ⑦b: *When removing, take care not to disconnect the wire or damage any of the parts.*

NOTE ⑦c: *Refer to Fig. 1-5-1 for the disassembly method.*

NOTE ⑧: *Beware of electrical shock due to the capacitor during work. (GR-DVX77EG/EK and GR-DVX88EG)*

NOTE ⑨a: *When removing, be careful with the FPC (for the Deck Operation Assembly) attached inside the E.VF Assembly.*
Remove the FPC by unplugging it from the connector and then taking the FPC out together with the E. VF or by peeling it carefully so that the double-sided adhesive can be reused later.

NOTE ⑨b: *When removing or attaching, take care not to damage any parts.*

Particularly, when attaching the switch, always pull out the E.VF Assembly to avoid it from damaging the switch.

NOTE ⑨c: *When attaching, be careful with the wire treatment.*

NOTE ⑨d: *Refer to Fig. 1-6-1 for the disassembly method.*

NOTE ⑩a: *When attaching or removing, take care not to damage any parts.*
Attach the slide switch at the position of the DSC switch (VIDEO side).
(GR-DVX77EG/EK and GR-DVX88EG)

NOTE ⑩b: *When attaching, take care with the wire treatment.*
This note does not apply when the E.VF Assembly and FPC have been removed together as shown in Fig. 1-3-8.

NOTE ⑪a: *When unplugging the connector ⑪d, be careful with the handling of the FPC connected to it.*

NOTE ⑪b: *Connector ⑪e is located inside the circuit board, so it should be the last item to be removed.*

NOTE ⑪c, ⑫: *When attaching, pay heed to the FPC treatment.*
Mount the FPC so that it is caught between the Mechanism Assembly and the Main Board Assembly.

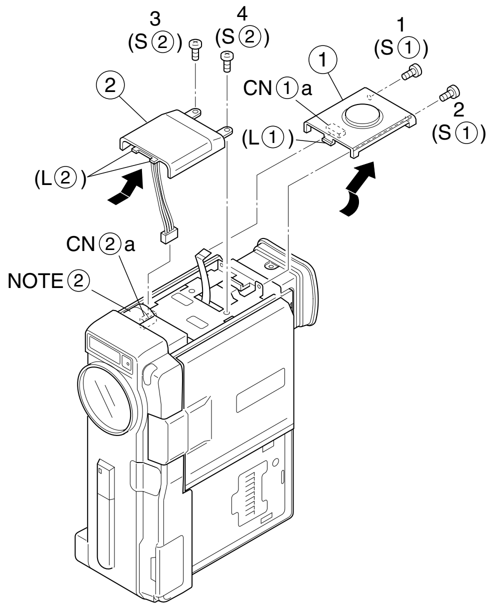

3
(S②)
4
(S②)
①
1
(S①)
②
CN①a
(L①)
2
(S①)
(L②)
CN②a
NOTE②

Fig. 1-3-1

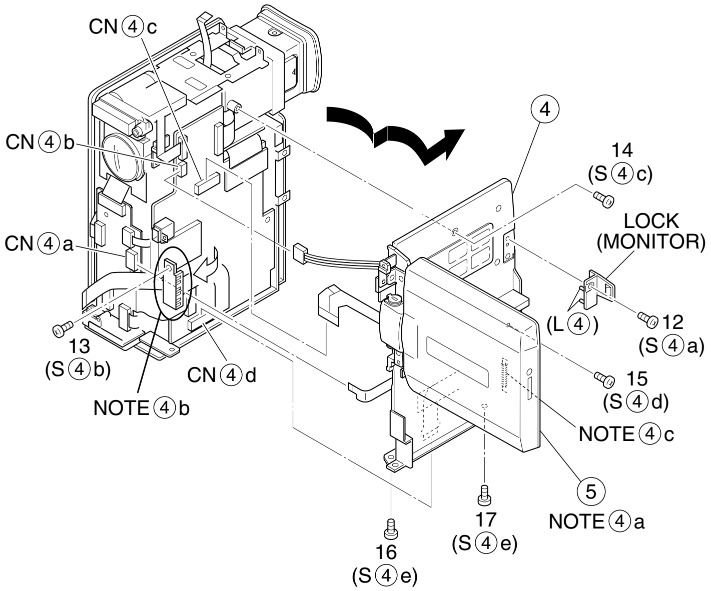

CN④c
CN④b
CN④a
④
14
(S④c)
LOCK
(MONITOR)
(L④)
12
(S④a)
13
(S④b)
CN④d
NOTE④b
15
(S④d)
NOTE④c
⑤
NOTE④a
17
(S④e)
16
(S④e)

Fig. 1-3-3

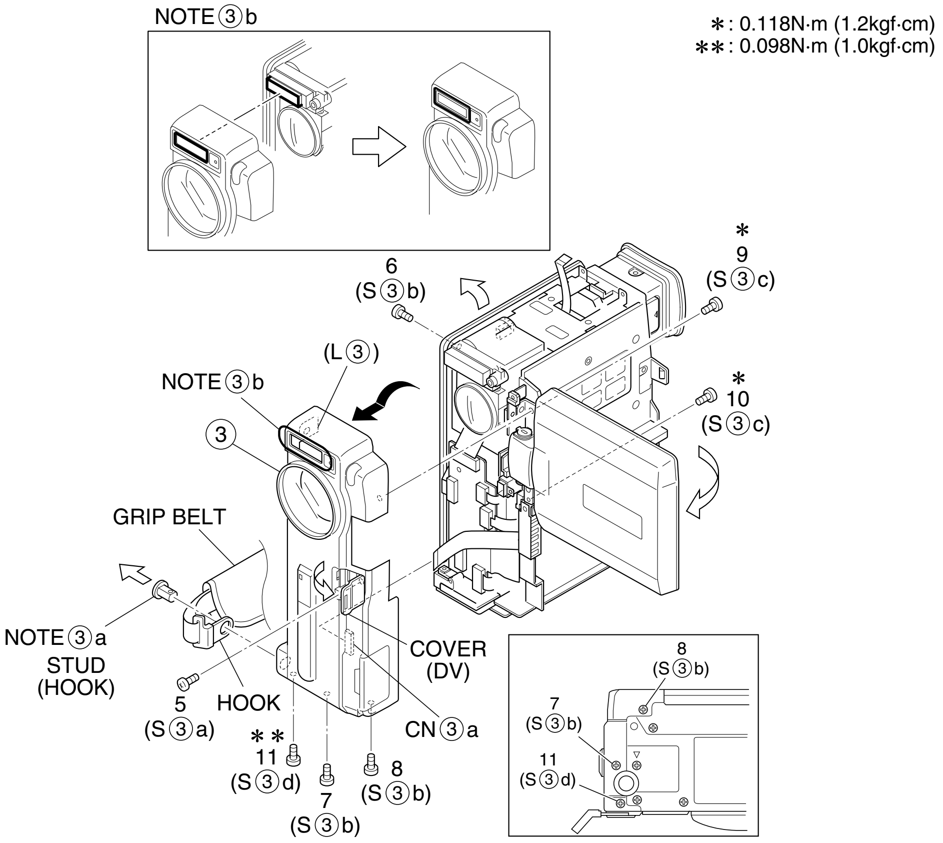

NOTE③b
*: 0.118N·m (1.2kgf·cm)
**: 0.098N·m (1.0kgf·cm)
*
9
(S③c)
6
(S③b)
(L③)
NOTE③b
③
*
10
(S③c)
GRIP BELT
NOTE③a
STUD
(HOOK)
HOOK
COVER
(DV)
5
(S③a)
**
11
(S③d)
7
(S③b)
8
(S③b)
CN③a
8
(S③b)
7
(S③b)
11
(S③d)

Fig. 1-3-2

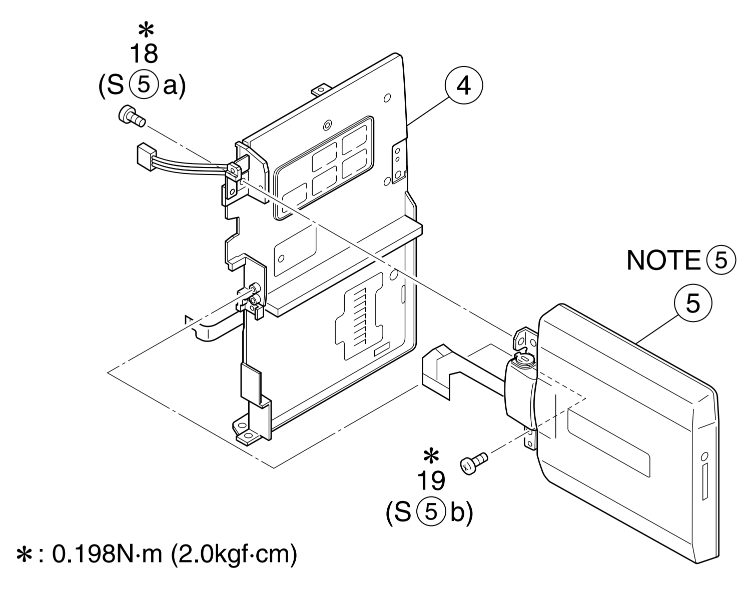

*
18
(S⑤a)
④
NOTE⑤
⑤
*
19
(S⑤b)
*: 0.198N·m (2.0kgf·cm)

Fig. 1-3-4

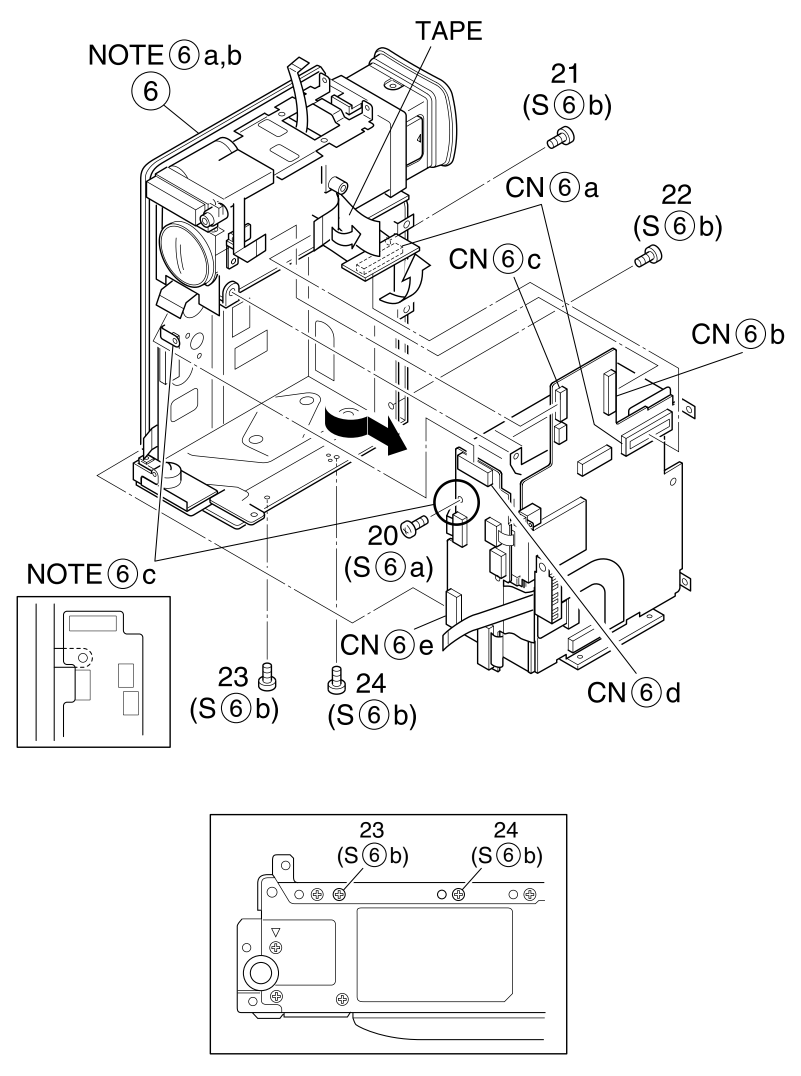

TAPE
NOTE⑥a,b
⑥
21
(S⑥b)
CN⑥a
22
(S⑥b)
CN⑥c
CN⑥b
20
(S⑥a)
NOTE⑥c
CN⑥e
23
(S⑥b)
24
(S⑥b)
CN⑥d
23
(S⑥b)
24
(S⑥b)

Fig. 1-3-5

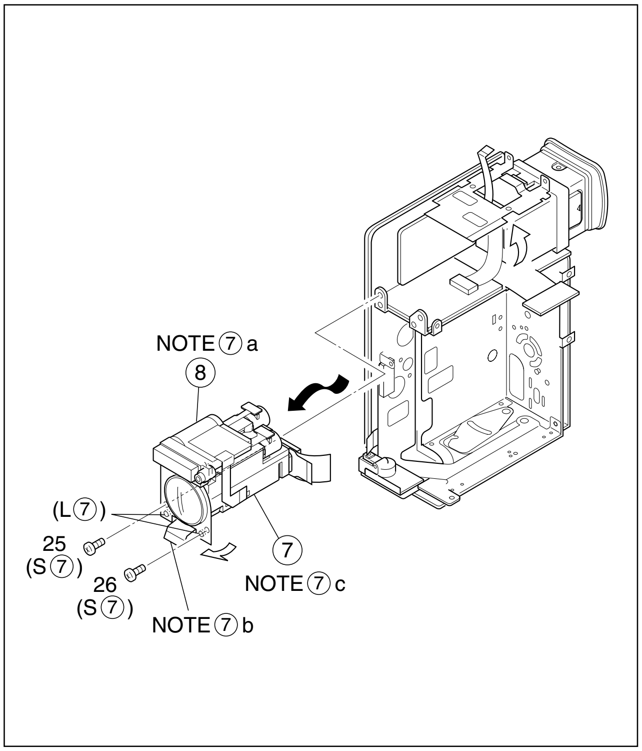

NOTE ⑦ a
⑧
(L ⑦)
25
(S ⑦)
26
(S ⑦)
NOTE ⑦ b
⑦
NOTE ⑦ c

Fig. 1-3-6

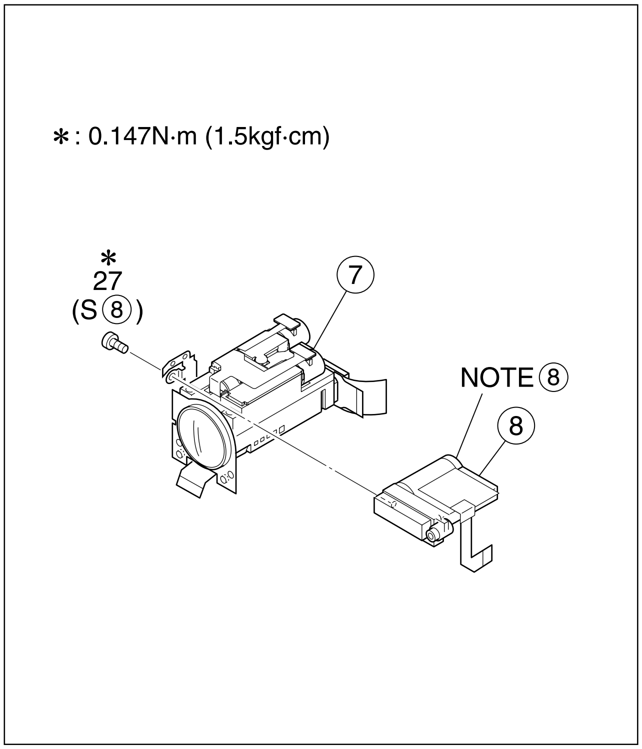

∗: 0.147N·m (1.5kgf·cm)
∗
27
(S ⑧)
⑦
NOTE ⑧
⑧

Fig. 1-3-7

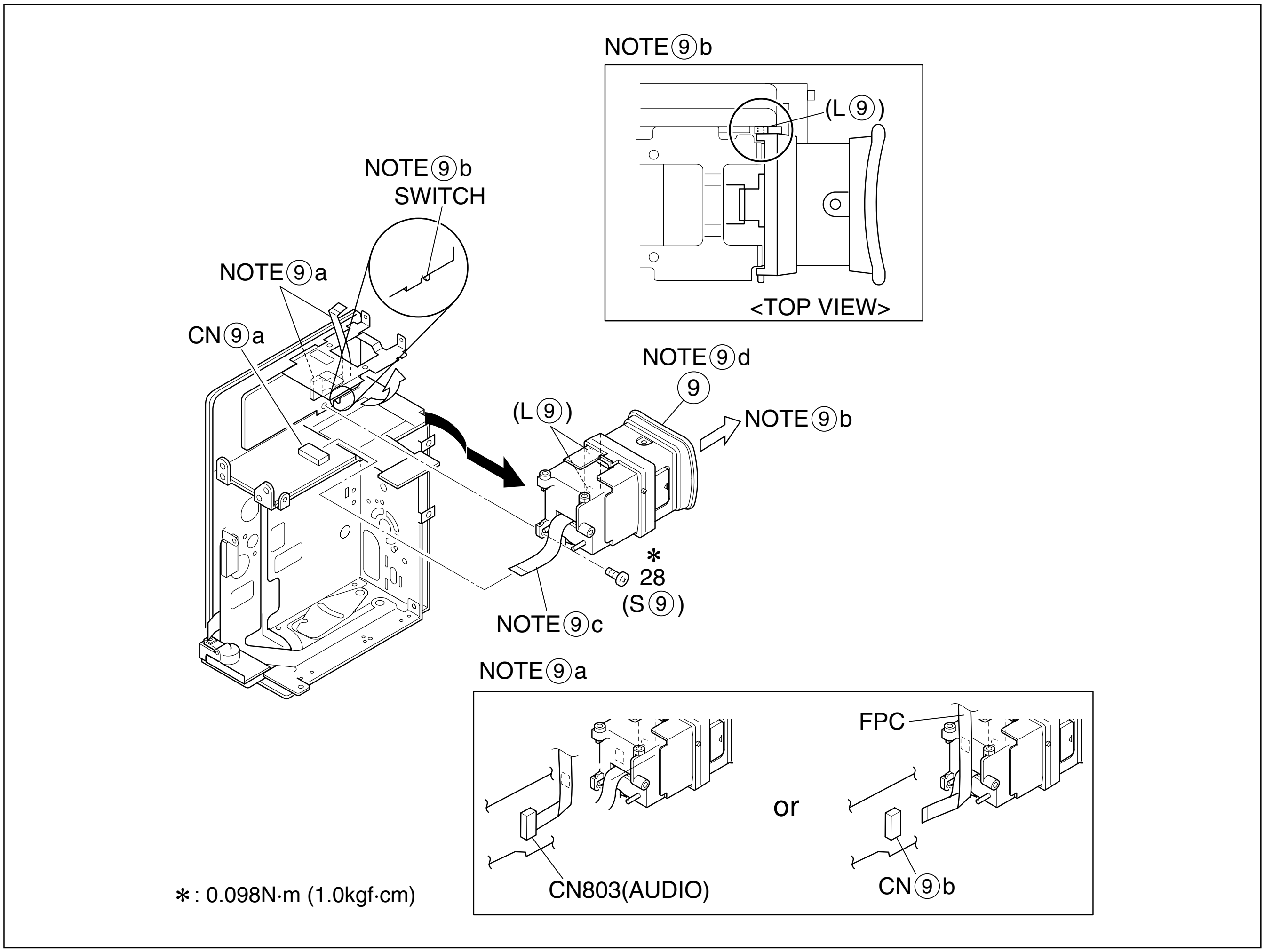

NOTE ⑨ b
(L ⑨)
<TOP VIEW>
NOTE ⑨ b
SWITCH
NOTE ⑨ a
CN ⑨ a
NOTE ⑨ d
⑨
(L ⑨)
NOTE ⑨ b
∗
28
(S ⑨)
NOTE ⑨ c
NOTE ⑨ a
FPC
or
CN803(AUDIO)
CN ⑨ b
∗: 0.098N·m (1.0kgf·cm)

Fig. 1-3-8

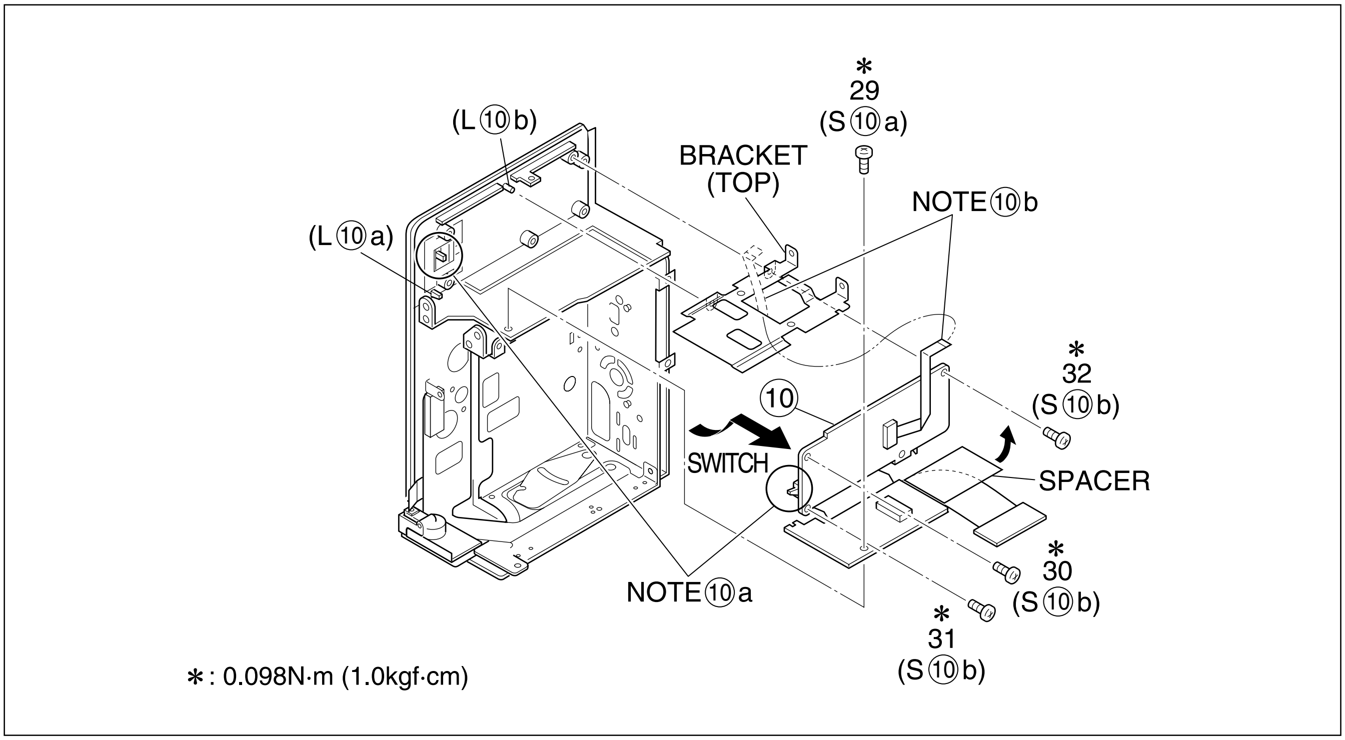

*
29
(S ⑩ a)
(L ⑩ b)
BRACKET
(TOP)
NOTE ⑩ b
(L ⑩ a)
*
32
(S ⑩ b)
⑩
SWITCH
SPACER
*
30
(S ⑩ b)
NOTE ⑩ a
*
31
(S ⑩ b)
*: 0.098N·m (1.0kgf·cm)

Fig. 1-3-9

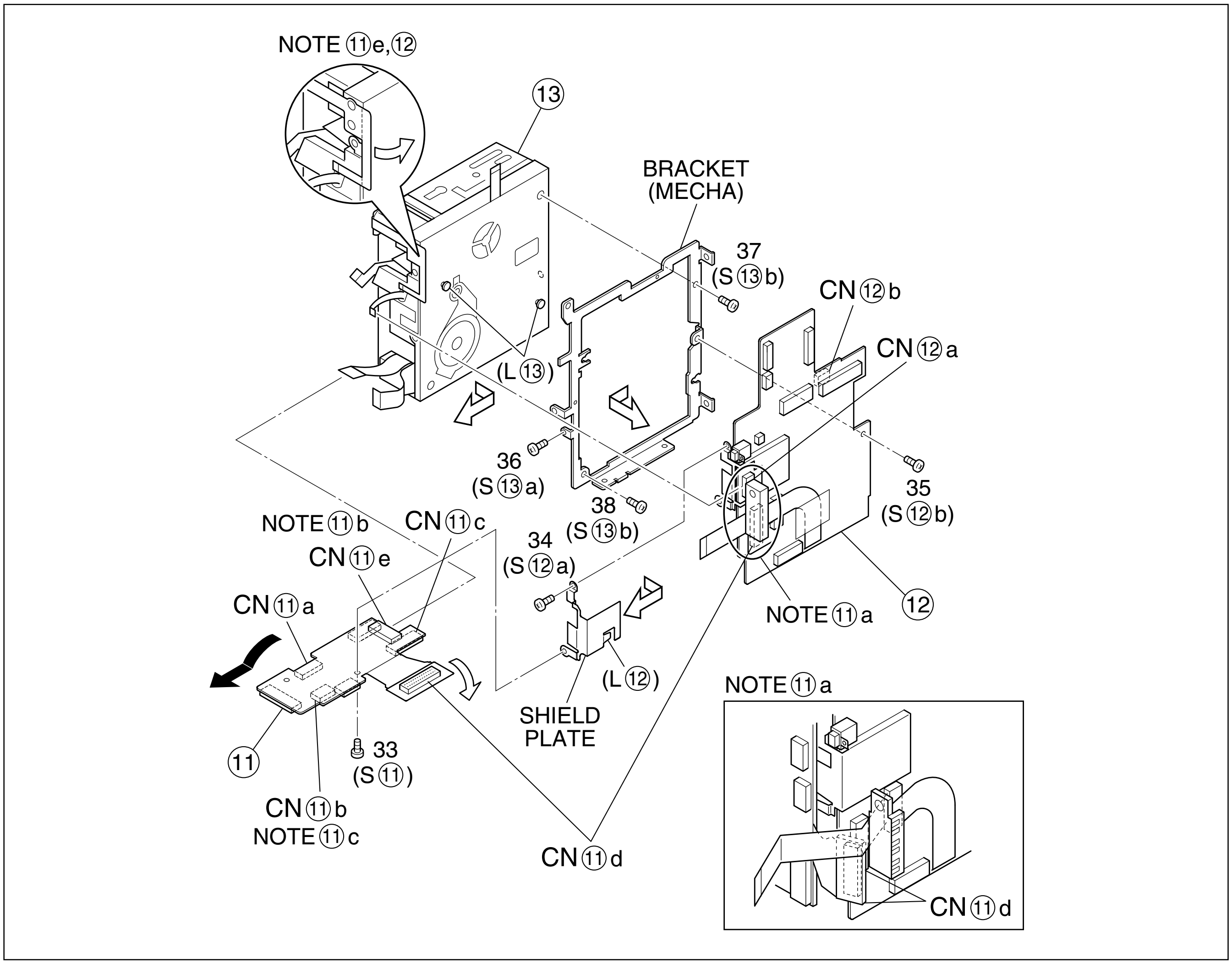

NOTE ⑪e,⑫
⑬
BRACKET
(MECHA)
37
(S ⑬ b)
CN ⑫ b
CN ⑫ a
(L ⑬)
36
(S ⑬ a)
38
(S ⑬ b)
35
(S ⑫ b)
NOTE ⑪ b
CN ⑪ c
CN ⑪ e
34
(S ⑫ a)
CN ⑪ a
NOTE ⑪ a
⑫
(L ⑫)
SHIELD
PLATE
⑪
33
(S ⑪)
CN ⑪ b
NOTE ⑪ c
CN ⑪ d
NOTE ⑪ a
CN ⑪ d

Fig. 1-3-10

1.4 DISASSEMBLY OF ⑤ MONITOR ASSEMBLY

1.4.1 ⑤ Monitor assembly/Hinge assembly

1. Remove the four screws (1-4). While opening the monitor cover assembly as shown by the arrow, release the two hooks (L⑤a, L⑤b) from engagement and remove the monitor cover assembly.
2. Remove the parts out of the monitor case and unlock the connector CN⑤a. While raising the hinge assembly upwards, get the two hooks (L⑤c, L⑤d) disengaged and disconnect the FPC by pulling it out. Then, remove the hinge assembly.

Note⑤a: *When removing the parts out of the monitor case assembly, be very careful not to damage the FPC and parts.*

3. Disconnect FPC from the connector CN⑤b and then remove the MONITOR board assembly and backlight.

Note⑤b: *Remove the MONITOR board assembly and backlight together unless it is needed to separate them from each other for part replacement, etc., because the two are soldered to each other.*

4. Remove the LCD module.

1.4.2 Hinge assembly

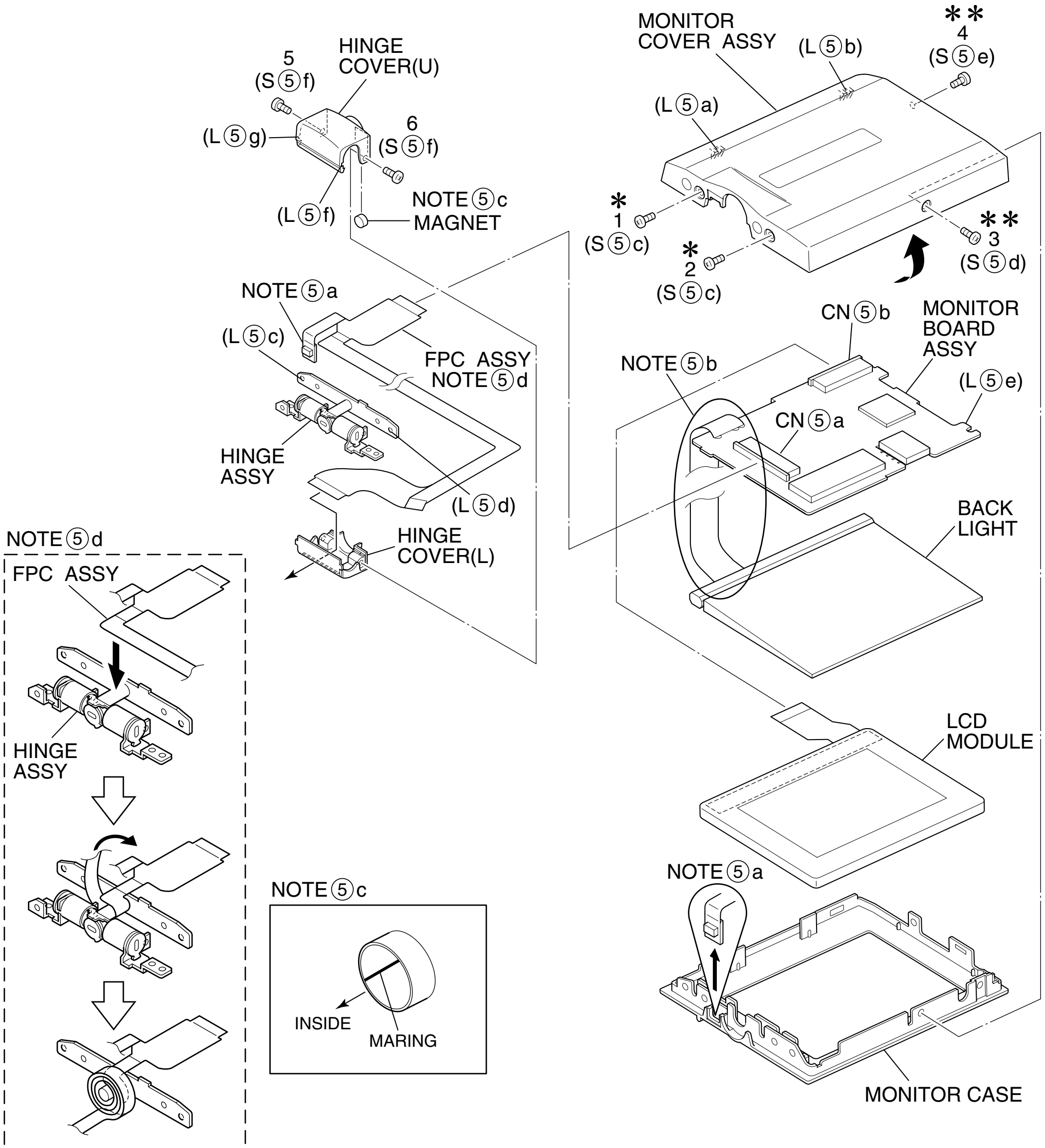
1. Remove the two screws (5, 6). While releasing the two hooks (L⑤f, L⑤g) from engagement, remove the hinge cover (U).

Note⑤c: *Be careful not to lose any part during the above-mentioned process.*

2. Draw the FPC assembly out of the hinge cover (L) and then remove the FPC assembly from the hinge assembly.

Note⑤d: *When reassembling, wind the FPC assembly around the hinge assembly by three turns and a half.*

Be careful not to break the FPC wire during the work.



MONITOR COVER ASSY
(L⑤b)
∗∗ 4 (S⑤e)
5 (S⑤f)
HINGE COVER(U)
(L⑤a)
(L⑤g)
6 (S⑤f)
NOTE⑤c MAGNET
(L⑤f)
∗ 1 (S⑤c)
∗ 2 (S⑤c)
∗∗ 3 (S⑤d)
NOTE⑤a
(L⑤c)
FPC ASSY NOTE⑤d
CN⑤b
MONITOR BOARD ASSY
NOTE⑤b
(L⑤e)
CN⑤a
HINGE ASSY
(L⑤d)
BACK LIGHT
NOTE⑤d
HINGE COVER(L)
FPC ASSY
HINGE ASSY
LCD MODULE
NOTE⑤a
NOTE⑤c
INSIDE
MARING
MONITOR CASE

∗: 0.098N·m (1.0kgf·cm)
∗∗: 0.069N·m (0.7kgf·cm)

Fig. 1-4-1

1.5 DISASSEMBLY OF ⑦ OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY

1.5.1 Precautions

1. Carefully handle the CCD image sensor, optical LPF, lens, etc. during the disassembly work. Pay the most careful attention to the surface of those parts not to get it soiled, scratched or dusty. If some of those surfaces gets soiled with fingerprints, etc., wipe it out with silicone paper, clean chamois, cleaning cloth or the like.
2. The new CCD image sensor is occasionally shipped from the factory as a protection seal is applied onto its transparent glass. If so, leave the protection seal as it is and remove it just before installing the CCD image sensor in the OP block assembly.

1.5.2 How to remove OP block assembly and CCD board assembly

1. Unsolder at the fourteen points (SD1) and remove the CCD board assembly.
2. Remove the two screws (1, 2) and then remove the CCD base assembly.

Note⑦a: *Carefully remove the CCD base assembly, because the space rubber and optical LPF may be removed together with the CCD image sensor.*

Note⑦b: *When replacing the CCD image sensor, don't replace it individually but replace the CCD base assembly in whole with a new one.*

1.5.3 How to install OP block assembly and CCD board assembly

1. Install the optical LPF with the space rubber fitted to its CCD side in the OP block assembly.
2. Paying heed to the space rubber not to get it to come off the setting position, install the CCD base assembly in place and fasten it together with the space rubber with the two screws (1, 2).
3. Set the CCD board assembly in the CCD base assembly, and fasten it by soldering at the fourteen points (SD1).

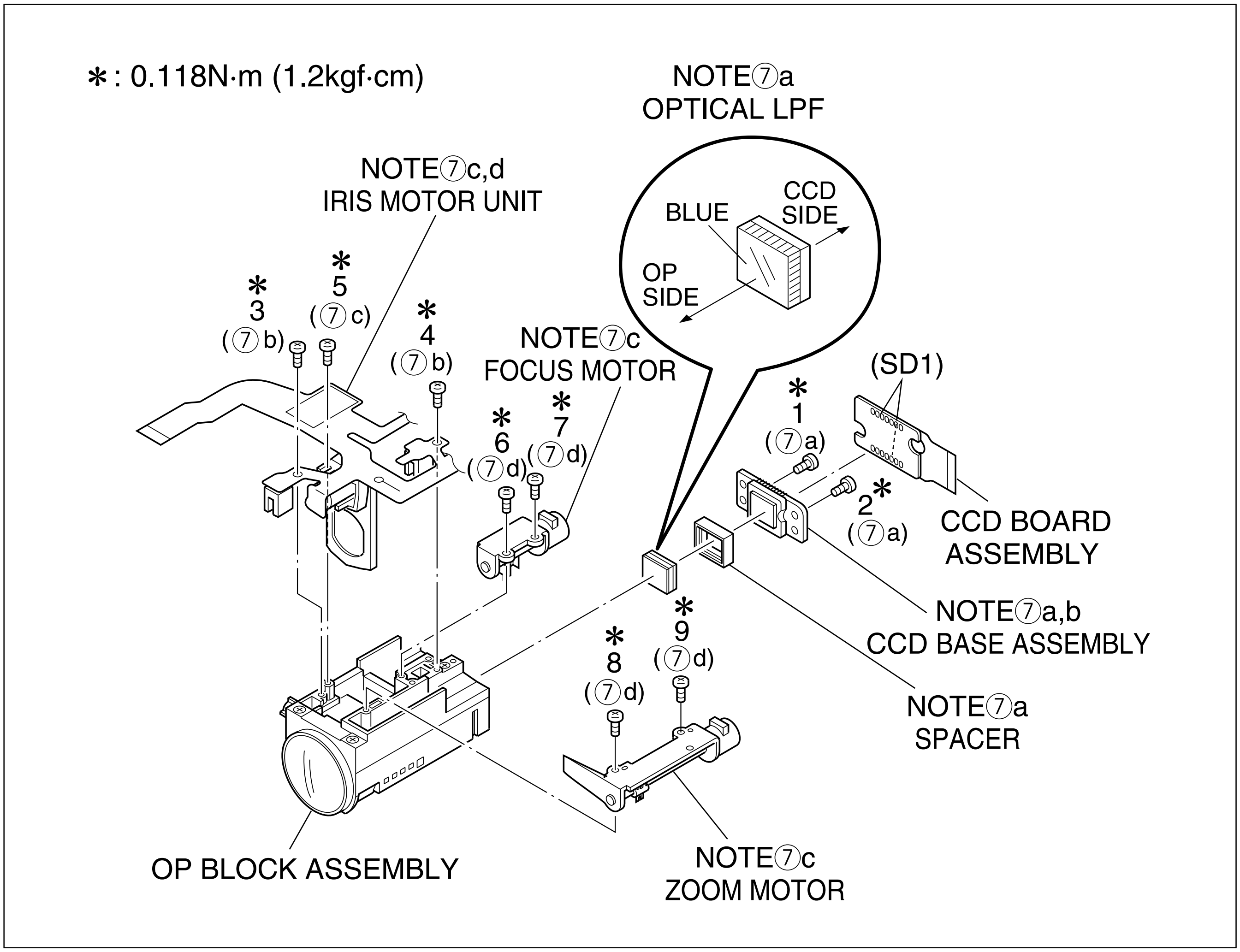
1.5.4 Replacement of service parts

Service parts to be supplied for the OP block assembly are as follows.
When replacing a part, be very careful not to get the FPC wire broken or damaged by soldering (overheating).

1. Focus motor
2. Zoom motor
3. Iris motor unit

Note⑦c: *When soldering the FPC wire of the focus motor or zoom motor during the replacement work, be sure to keep the tip of a soldering iron approximately 1 mm above the terminal.*

Note⑦d: *The iris motor unit includes one FPC assembly and two sensors.*



∗: 0.118N·m (1.2kgf·cm)
NOTE⑦a
OPTICAL LPF
BLUE
CCD SIDE
OP SIDE
NOTE⑦c,d
IRIS MOTOR UNIT
∗ 3 (⑦b)
∗ 5 (⑦c)
∗ 4 (⑦b)
NOTE⑦c
FOCUS MOTOR
∗ 6 (⑦d)
∗ 7 (⑦d)
(SD1)
∗ 1 (⑦a)
∗ 2 (⑦a)
CCD BOARD ASSEMBLY
NOTE⑦a,b
CCD BASE ASSEMBLY
∗ 8 (⑦d)
∗ 9 (⑦d)
NOTE⑦a
SPACER
OP BLOCK ASSEMBLY
NOTE⑦c
ZOOM MOTOR

Fig. 1-5-1

1.6 DISASSEMBLY OF ⑨ E. VF ASSEMBLY

1.6.1 ⑨E. VF assembly

Note⑨a: *When disassembling the E VF assembly, remove the frame (VF) from the case/cap assembly depending on the situation.*

Note⑨b: *Be very careful not to get the inside of the VF soiled or dusty during and after disassembling the E. VF assembly.*

Note⑨c: *After the screw having the loose-proof tip was once removed from the E. VF assembly, don't reuse it.*

1. Remove the eyecup and pull out the guide (VF).
2. Draw the frame (VF) out of the case assembly.

<Case assembly>

3. Remove the screw (1) first and then lever (VF).
4. Remove the three screws (2-4) and draw out the eyepiece sub assembly.

<Frame (VF)>

5. Remove the screw (5) first and then LCD module/holder (LCD).

Note⑨d: *Pay heed to the FFC not to damage it during the removing work.*

6. Get the two hooks (L⑨a, L⑨b) disengaged and then remove the holder (LCD)

Note⑨e: *Carefully proceed with the above-mentioned work not to damage any part.*

7. Disconnect the connector (CN⑨a) and remove the LCD module.

Note⑨f: *Pay heed the parts not to damage any thing.*

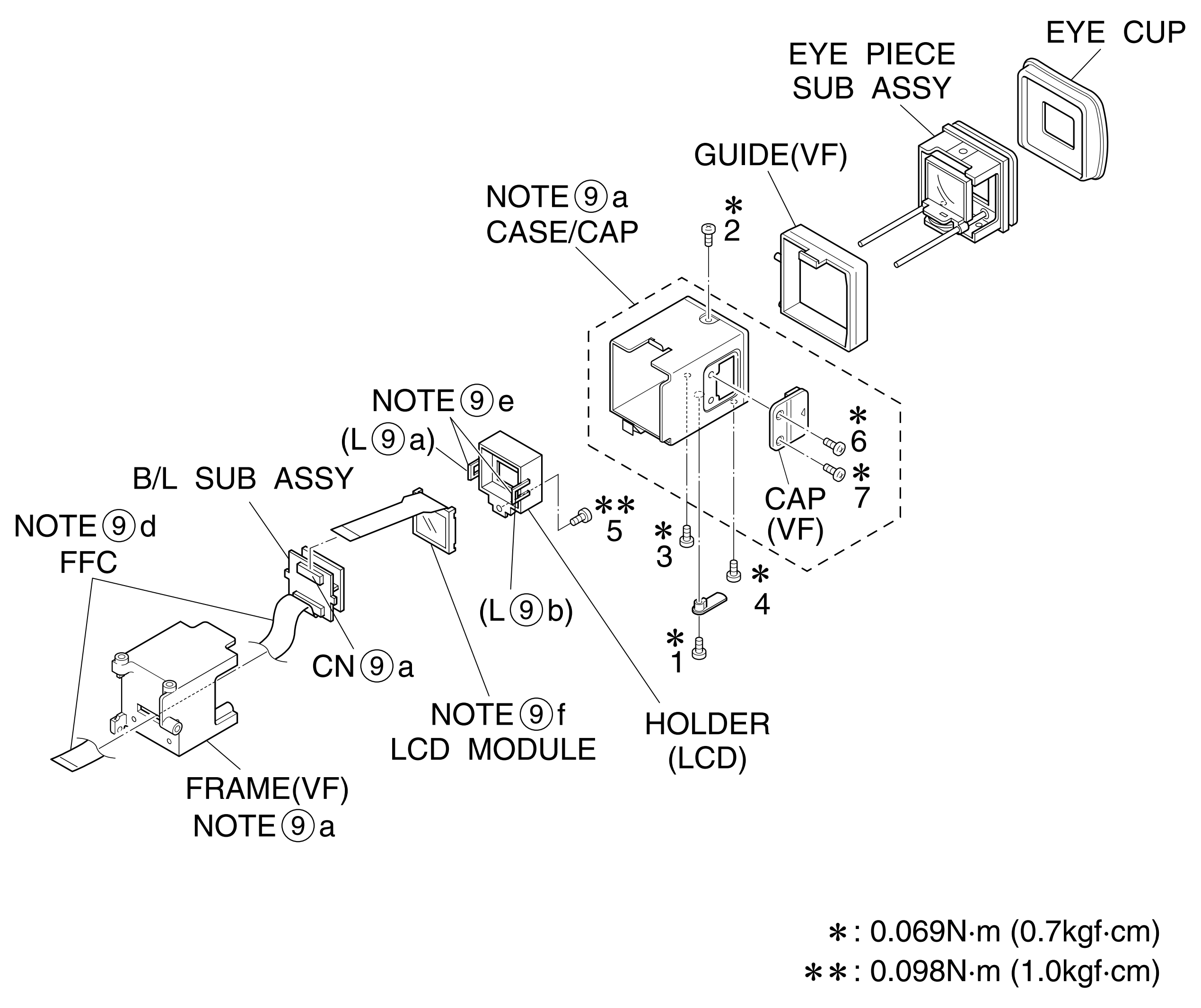

EYE CUP
EYE PIECE SUB ASSY
GUIDE(VF)
NOTE ⑨a CASE/CAP
∗ 2
NOTE ⑨e
(L⑨a)
B/L SUB ASSY
NOTE ⑨d FFC
∗ 6
∗ 7
CAP (VF)
∗∗ 5
∗ 3
∗ 4
(L⑨b)
∗ 1
CN⑨a
NOTE ⑨f LCD MODULE
HOLDER (LCD)
FRAME(VF) NOTE ⑨a
∗: 0.069N·m (0.7kgf·cm)
∗∗: 0.098N·m (1.0kgf·cm)

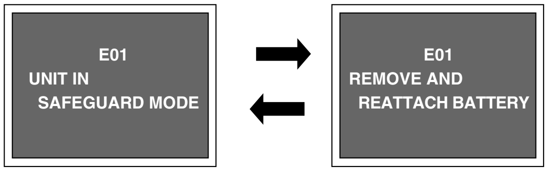
Fig. 1-6-1

1.7 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).
In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



E01
UNIT IN
SAFEGUARD MODE

E01
REMOVE AND
REATTACH BATTERY

LCD display	Emergency mode	Details	Possible cause
E01	LOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. 3. No power is supplied to the loading MDA.
E02	UNLOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.
E03	TU & SUP REEL FG	In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03]. However, no REEL EMG is detected in the SLOW/STILL mode.	1. The idler gear does not engage with the reel disk well. 2. Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism. 3. No FG pulse is output from the reel sensor. 4. No power is supplied to the reel sensor. 5. Tape transport operation takes place with a cassette having no tape inside. 6. The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status.
E04	DRUM FG	In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off.	1. The drum cannot be started or drum rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. 2) The tape is damaged or soiled with grease, etc. 2. The DRUM FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the DRUM FG pulse generator (hall element). 3. No drum control voltage is supplied to the MDA. 4. No power is supplied to the DRUM MDA.
E05	–	–	–
E06	CAPSTAN FG	In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off. However, no CAPSTAN EMG is detected in the STILL/FF/REW mode.	1. The CAPSTAN FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the CAPSTAN FG pulse generator (MR element). 2. No capstan control voltage is supplied to the MDA. 3. No power is supplied to the CAPSTAN MDA. 4. The capstan cannot be started or capstan rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. (Mechanical locking) 2) The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.)

(DVC_03)

Table 1-7-1

1.8 SERVICE NOTE

Symbol No. →	①		②		③							④						⑤	
Removing order of screw →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Place to stick screw →					✻							✻						✻	✻
Reference drawing →	Fig. 1-3-1				Fig. 1-3-2							Fig. 1-3-3						Fig. 1-3-4	
Screw tightening torque →	I				I				II		III	I						IV	

Symbol No. →	⑥					⑦ / ⑧		⑧	⑨	⑩				⑪	⑫		⑬		
Removing order of screw →	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Place to stick screw →																			
Reference drawing →	Fig. 1-3-5					Fig. 1-3-6		Fig. 1-3-7	Fig. 1-3-8	Fig. 1-3-9				Fig. 1-3-10					
Screw tightening torque →	I					I		V	III	III				I					

	⑤ MONITOR ASSY					
Removing order of screw →	1	2	3	4	5	6
Place to stick screw →	✻	✻				
Reference drawing →	Fig. 1-4-1					
Screw tightening torque →	III		VI			

	⑦ OP BLOCK ASSY								
Removing order of screw →	1	2	3	4	5	6	7	8	9
Place to stick screw →									
Reference drawing →	Fig. 1-5-1								
Screw tightening torque →	II								

	⑨ E. VF ASSY						
Removing order of screw →	1	2	3	4	5	6	7
Place to stick screw →							
Reference drawing →	Fig. 1-6-1						
Screw tightening torque →	VI				VI		

< NOTE >

1) ✻ : Don't reuse the screw, because screw lock bond was applied to them.

2) Pay careful attention to tightening torque for each screw.

I : 0.078N·m (0.8kgf·cm)
II : 0.118N·m (1.2kgf·cm)
III : 0.098N·m (1.0kgf·cm)
IV : 0.198N·m (2.0kgf·cm)
V : 0.147N·m (1.5kgf·cm)
VI : 0.069N·m (0.7kgf·cm)

Table 1-8-1

SECTION 2
MECHANISM ADJUSTMENT

2.1 PRELIMINARY REMARKS ON ADJUSTMENT AND REPAIR

2.1.1 Precautions

1. When fastening parts, pay careful attention to the tightening torque of each screw. Unless otherwise specified, tighten a screw with the torque of 0.039 N•m (0.4 kgf•cm).
2. Be sure to disconnect the set from the power supply before fastening and soldering parts.
3. When disconnecting/connecting wires, be careful not to get them and their connectors damaged. (Refer to the Section 1.)
4. When replacing parts, be very careful neither to damage other parts nor to fit wrong parts by mistake.

2.1.2 Notes on procedure for disassemby/assembly

The disassembling procedure table (Table 2-4-1 on page 2-6,a part of the table is shown below for reference)shows the procedure to disassemble/reassemble mechanism parts.
Carefully read the following explanation before starting actual disassembling/reassembling work. The item numbers (circled numbers)in the following explanation correspond to those appearing under respective columns of the table.

(1) Circled numbers appearing in this column indicate the order to remove parts. When reassembling, follow these numbers in the reverse order. Circled numbers in this column correspond to those appearing in drawings of this section.

(2) This column shows part names corresponding to circled numbers in the left column.

(3) The symbol (T or B)appearing in this column shows the side which the objective part is mounted on.
T =the upper side, B =the lower side

(4) Symbols appearing in this column indicate drawing numbers.
Step Part Name Fig. Point Note Remarks

(5) This column indicates parts and points such as screws, washers,springs,and others to be removed/fitted for disassembling/reassembling the mechanism. Besides such the parts, this column occasionally indicates working points.

P = Spring
W = Washer
S = Screw
* = Lock (L),soldering (SD),shield,connector (CN), etc.

Example
- Remove ((W1)=Washer W1.
- **Remove the solder at (SD1)=Point SD1.
- **Disconnect Ⓐ =Connector Ⓐ .

(6) Numbers in this column represent the numbers of notes in the text.For example, “1” means “Note 1”.
(For parts that need phase adjustment after reassembling, refer to “2.6 MECHANISM ADJUSTMENTS”.)

(7) This column indicates required after-disassembling/-reassembling work such as phase adjustment or mechanism adjustment.

NO.	PART NAME		FIG.	POINT	NOTE	REMARKS
Ⓐ	Cassette housing assembly	T	Fig. 2-4-5	3(S1),(L1a)-(L1d)	1a, 1b, 1c, 1d	Adjustment
(2a)	Reel disk (SUP) assembly	T	Fig. 2-4-6	(W2)	2a, 2b	
(2b)	Reel disk (TU) assembly	T		(W2)	2a, 2b	
(2c)	Reel cover assembly	T		2(S2a),(S2b),(W2)	2d	
(3a)	Tension arm assembly	T	Fig. 2-4-7	(W3a)	3b	
(3b)	Release guide assembly	T		-	3a	
(3c)	Idler arm assembly	T		(W3b)	-	
(3d)	Guide arm assembly	T		-	3a	
(3e)	Pinch roller arm assembly	T		(W3a)	-	
(4a)	Cleaner arm assembly	T	Fig. 2-4-8	(L4a)	4a	
(4b)	Slant pole arm assembly	T		(W4),(L4b),(P4a),(P4b)	4b	
(4c)	Drum assembly	T		3(S4)	-	
(5a)	Guide roller (S) assembly	T	Fig. 2-4-9	(P5)	5a, 5b	
(5b)	Rail assembly	T		3(W5a), (W5b)	5c	

(1) (2) (3) (4) (5) (6) (7)

2.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

2.2.1 Tools required for adjustments

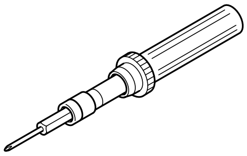
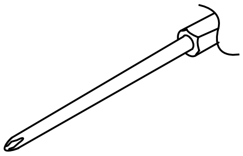
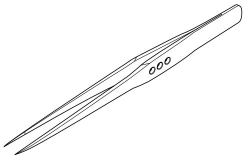
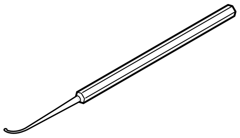
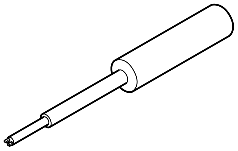
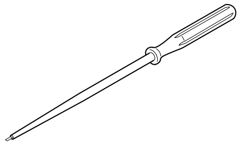
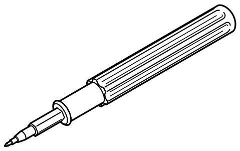
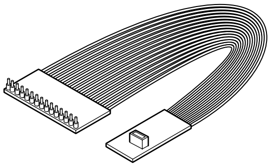
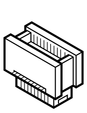
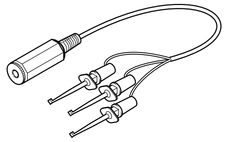
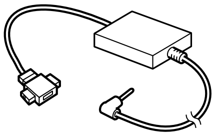
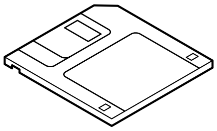
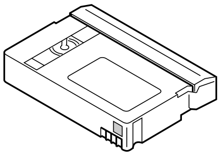
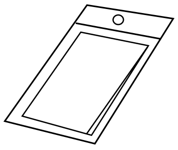
1 Torque Driver YTU94088	2 Bit YTU94088-003
	
3 Tweezers P-895	4 Chip IC Replacement Jig PTS40844-2
	
5 Guide Driver YTU94148A	6 Adjustment Driver YTU94028
	
7 Slit Washer Installation Jig YTU94121B	8 Jig Connector cable YTU93091B
	
9 Extension Connector YTU94145A	10 Communication cable YTU93107A
	
11 PC cable QAM0099-002	12 Service Support System YTU94057-53
	
13 Alignment Tape MC-2	14 Cleaning Cloth KSMM-01
	

Table 2-2-1

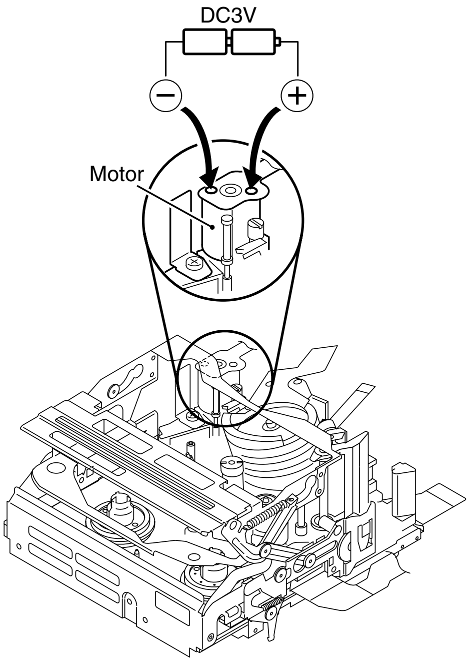
1. **Torque Driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement Jig**
   To be used for adjustment of the camera system.
5. **Guide Driver**
   To be used to turn the guide roller to adjustment of the linarity of playback envelope.
6. **Adjustment Driver**
   To be used for adjustment.
7. **Slit Washer Installation Jig**
   To be used to install slit washers.
8. **Jig Connector cable**
   Connected to CN105 of the main board and used for electrical adjustment, etc.
9. **Extension Connector**
   Connect this extension connector to the connector of the Jig connector cable for extending the cable connector.
   Note: *For supplying the power through the coupler by removing the cover (for Jig), use this extension connector double for connecting the Jig connector cable.*
10. **Communication cable**
    Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
11. **PC cable**
    To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.
12. **Service Support System**
    To be used for adjustment with a personal computer.
13. **Alignment Tape**
    To be used for check and adjustment of interchangeability of the mechanism.
14. **Cleaning Cloth**
    Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

2.3 DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY

2.3.1 General statement

The mechanism should generally be disassembled/assembled in the EJECT mode (ASSEMBLY mode). (Refer to Fig. 2-3-1.)
However, when the mechanism is removed from the main body, it is set in the STOP mode. Therefore, after the mechanism is removed from the main body, supply 3 V DC to the electrode on the top of the loading motor to enter the mechanism mode into the EJECT mode compulsory.

<Mechanism assembly/Cassette housing assembly>



<Back side of the mechanism assembly>

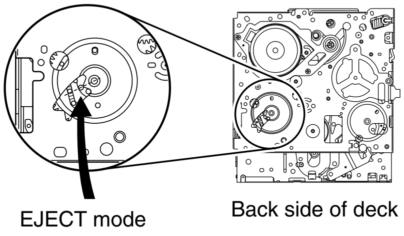


Fig. 2-3-1

2.3.2 Explanation of mechanism mode

The mechanism mode of this model is classified into six modes as shown in Table 2-3-1. Each mechanism mode can be distinguished from others by the relative position of "○" mark on the sub cam gear to the inner or outer protrusion on the main deck.
Refer to Fig. 2-3-2 to 2-3-8 below.
The EJECT mode, C IN mode and SHORT FF mode should be recognized by the relative position of the "○" mark to the inner protrusion, while the STOP mode, REV mode and PLAY mode should be recognized by that to the outer protrusion.

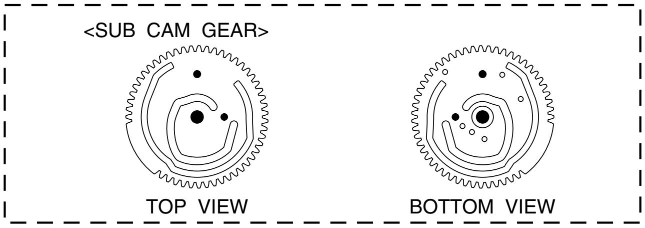


Fig. 2-3-2

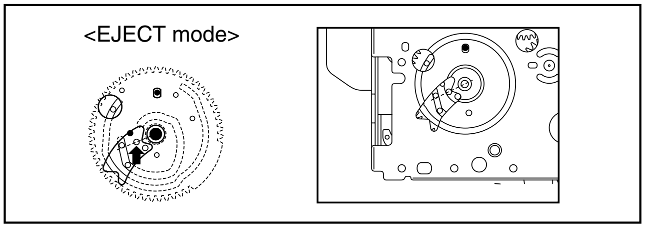


Fig. 2-3-3

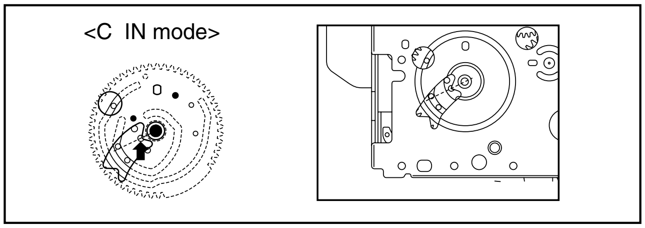


Fig. 2-3-4

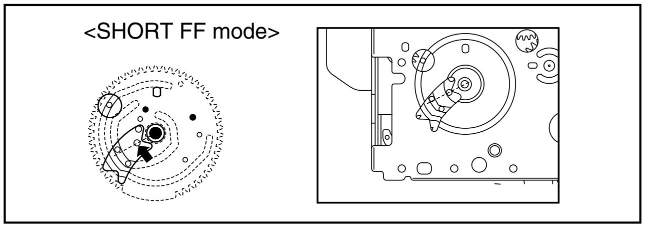


Fig. 2-3-5

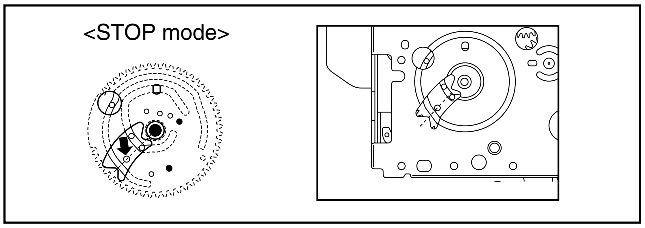


Fig. 2-3-6

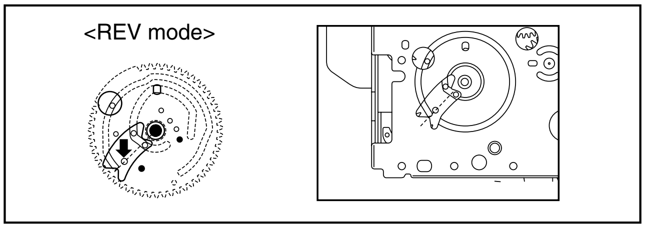


Fig. 2-3-7

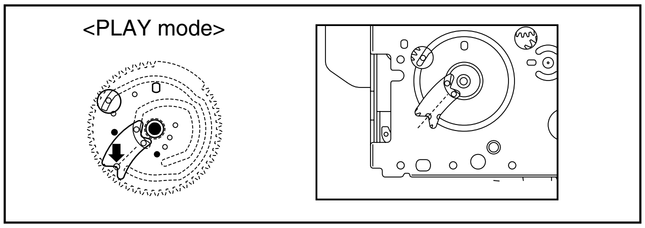


Fig. 2-3-8

2.3.3 Mechanism timing chart

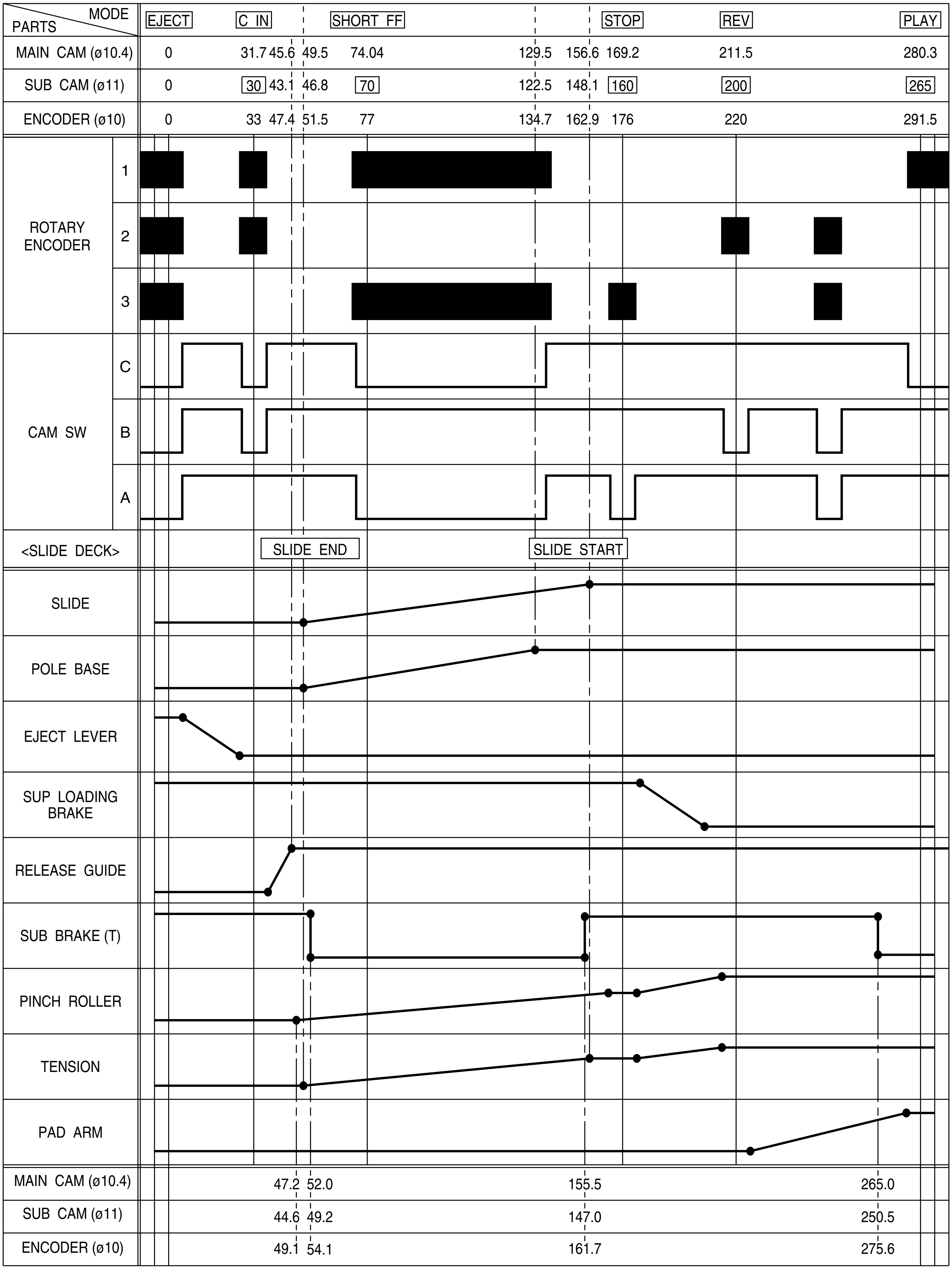

MODE
PARTS
EJECT
C IN
SHORT FF
STOP
REV
PLAY
MAIN CAM (ø10.4)
0
31.7
45.6
49.5
74.04
129.5
156.6
169.2
211.5
280.3
SUB CAM (ø11)
0
30
43.1
46.8
70
122.5
148.1
160
200
265
ENCODER (ø10)
0
33
47.4
51.5
77
134.7
162.9
176
220
291.5
ROTARY ENCODER
1
2
3
CAM SW
C
B
A
<SLIDE DECK>
SLIDE END
SLIDE START
SLIDE
POLE BASE
EJECT LEVER
SUP LOADING BRAKE
RELEASE GUIDE
SUB BRAKE (T)
PINCH ROLLER
TENSION
PAD ARM
MAIN CAM (ø10.4)
47.2
52.0
155.5
265.0
SUB CAM (ø11)
44.6
49.2
147.0
250.5
ENCODER (ø10)
49.1
54.1
161.7
275.6

Table 2-3-1

2.4 DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY

2.4.1 Follow chart

1. Configuration

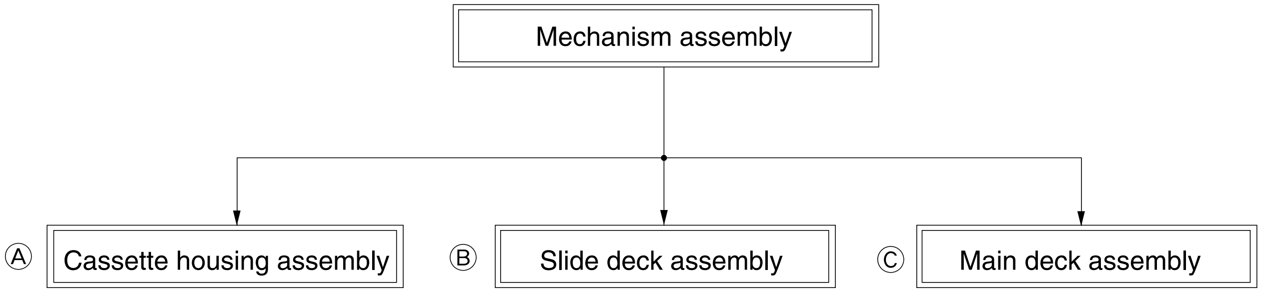

Mechanism assembly
Ⓐ
Cassette housing assembly
Ⓑ
Slide deck assembly
Ⓒ
Main deck assembly

Fig. 2-4-1

2. Procedures for disassembly

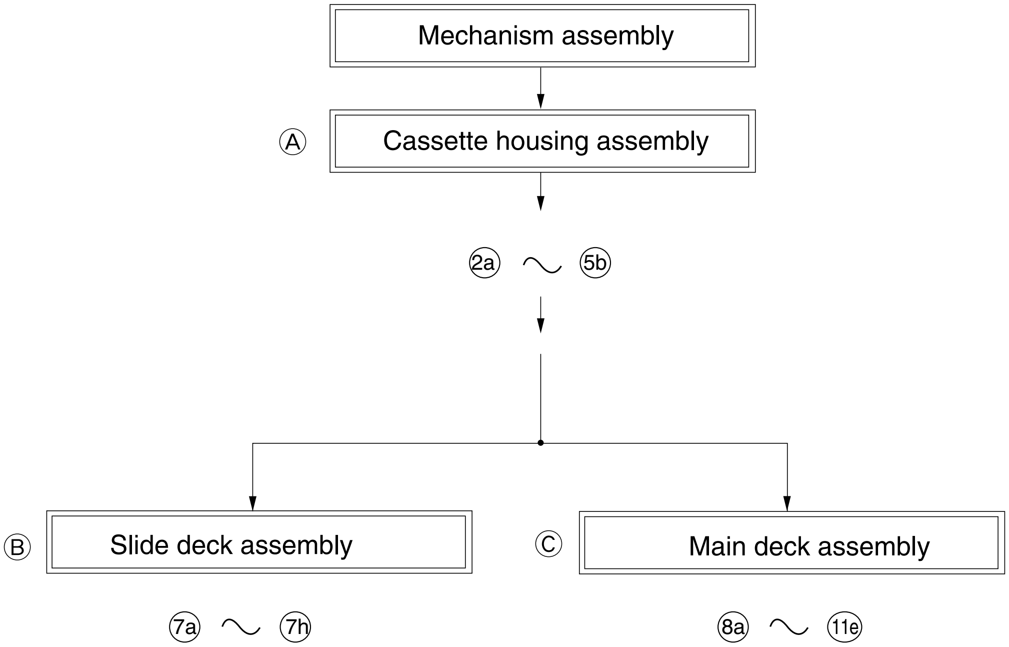

Mechanism assembly
Ⓐ
Cassette housing assembly
2a ∼ 5b
Ⓑ
Slide deck assembly
Ⓒ
Main deck assembly
7a ∼ 7h
8a ∼ 11e

Fig. 2-4-2

3. Disassembling procedure table

NO.	PART NAME		FIG.	POINT	NOTE	REMARKS
Ⓐ	Cassette housing assembly	T	Fig. 2-4-5	3(S1),(L1a)-(L1d)	1a, 1b, 1c, 1d	Adjustment
2a	Reel disk (SUP) assembly	T	Fig. 2-4-6	(W2)	2a, 2b	
2b	Reel disk (TU) assembly	T		(W2)	2a, 2b	
2c	Reel cover assembly	T		2(S2a),(S2b),(W2)	2d	
3a	Tension arm assembly	T	Fig. 2-4-7	(W3a)	3b	
3b	Release guide assembly	T		-	3a	
3c	Idler arm assembly	T		(W3b)	-	
3d	Guide arm assembly	T		-	3a	
3e	Pinch roller arm assembly	T		(W3a)	-	
4a	Cleaner arm assembly	T	Fig. 2-4-8	(L4a)	4a	
4b	Slant pole arm assembly	T		(W4),(L4b),(P4a),(P4b)	4b	
4c	Drum assembly	T		3(S4)	-	
5a	Guide roller (S) assembly	T	Fig. 2-4-9	(P5)	5a, 5b	
5b	Rail assembly	T		3(W5a), (W5b)	5c	
Ⓑ	Slide deck assembly / Ⓒ Main deck assembly	T	Fig. 2-4-10	(W6),(L6a)-(L6d)	6a, 6b	(Adjustment)
Ⓑ	Slide deck assembly					
7a	Loading brake assembly	T	Fig. 2-4-11	(W7),(L7a),(P7a)	7e	
7b	Guide pin (S)	T		(S7a)	-	
7c	Pad arm assembly	T		(W7),(L7b),(P7b)	7d	Adjustment
7d	Slide guide plate assembly	T		(S7b)	7c	Adjustment
7e	Collar	T		-	7a	
7f	Collar	T		-	7a	
7g	Sub brake assembly	T		(W7),(L7c),(P7c)	7b	
7h	Control plate assembly	T		2(W7),(L7d),(P7d)	7b	
Ⓒ	Main deck assembly					
8a	Tension lever assembly	T	Fig. 2-4-12	-	8c	
8b	Slide lever assembly	T		-	8b	
8c	Brake control lever assembly	T		-	8a	
9a	Loading guide	T	Fig. 2-4-13	(S9)	-	
9b	Timing belt	T		-	9b	
9c	Center gear assembly	T		-	-	
9d	Motor bracket assembly	T		2(S9)	9a	
9e	Worm wheel	T		(W9)	-	(Phase adjustment)
9f	Gear holder	T		(S9)	-	
10a	Main cam gear	T	Fig. 2-4-14	(S10)	10b	Phase adjustment
10b	Brake control plate	T		(L10)	10b	Phase adjustment
10c	Rotary encoder	T		(S10),(W10a)	10a	Phase adjustment
10d	Connect gear	T		(W10a)	-	(Phase adjustment)
10e	Reel drive pulley assembly	T		(W10b)	-	
11a	Catcher (T) assembly	T	Fig. 2-4-15	2(S11)	-	
11b	Capstan motor	T		2(S11)	-	
11c	Charge arm assembly	T		(W11)	11	
11d	Sub cam gear	T		(S11)	-	Phase adjustment
11e	PWB holder	B		2(S11)	-	

Table 2-4-1

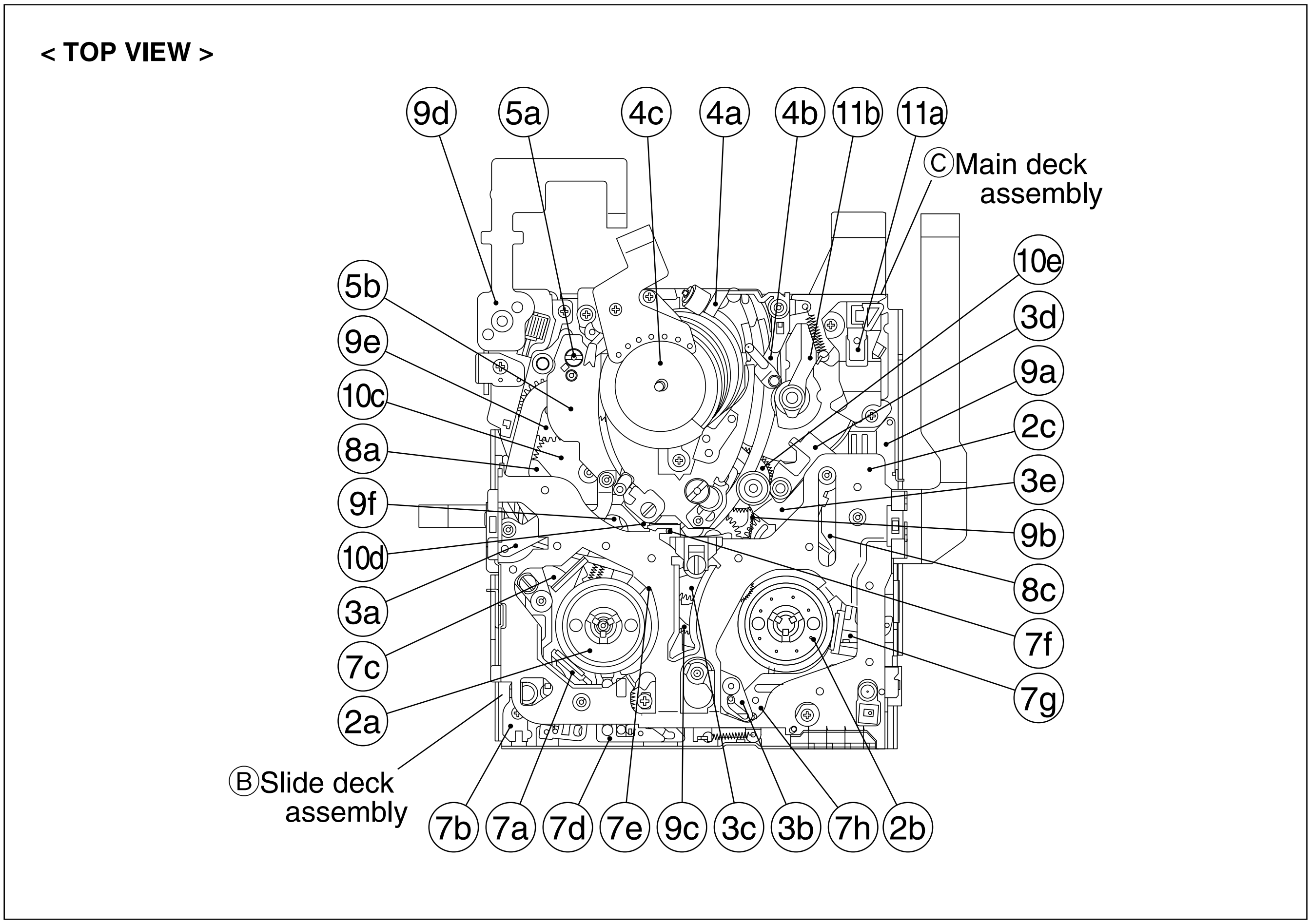

< TOP VIEW >
9d
5a
4c
4a
4b
11b
11a
Ⓒ Main deck assembly
10e
3d
9a
2c
3e
9b
8c
7f
7g
5b
9e
10c
8a
9f
10d
3a
7c
2a
Ⓑ Slide deck assembly
7b
7a
7d
7e
9c
3c
3b
7h
2b

Fig. 2-4-3

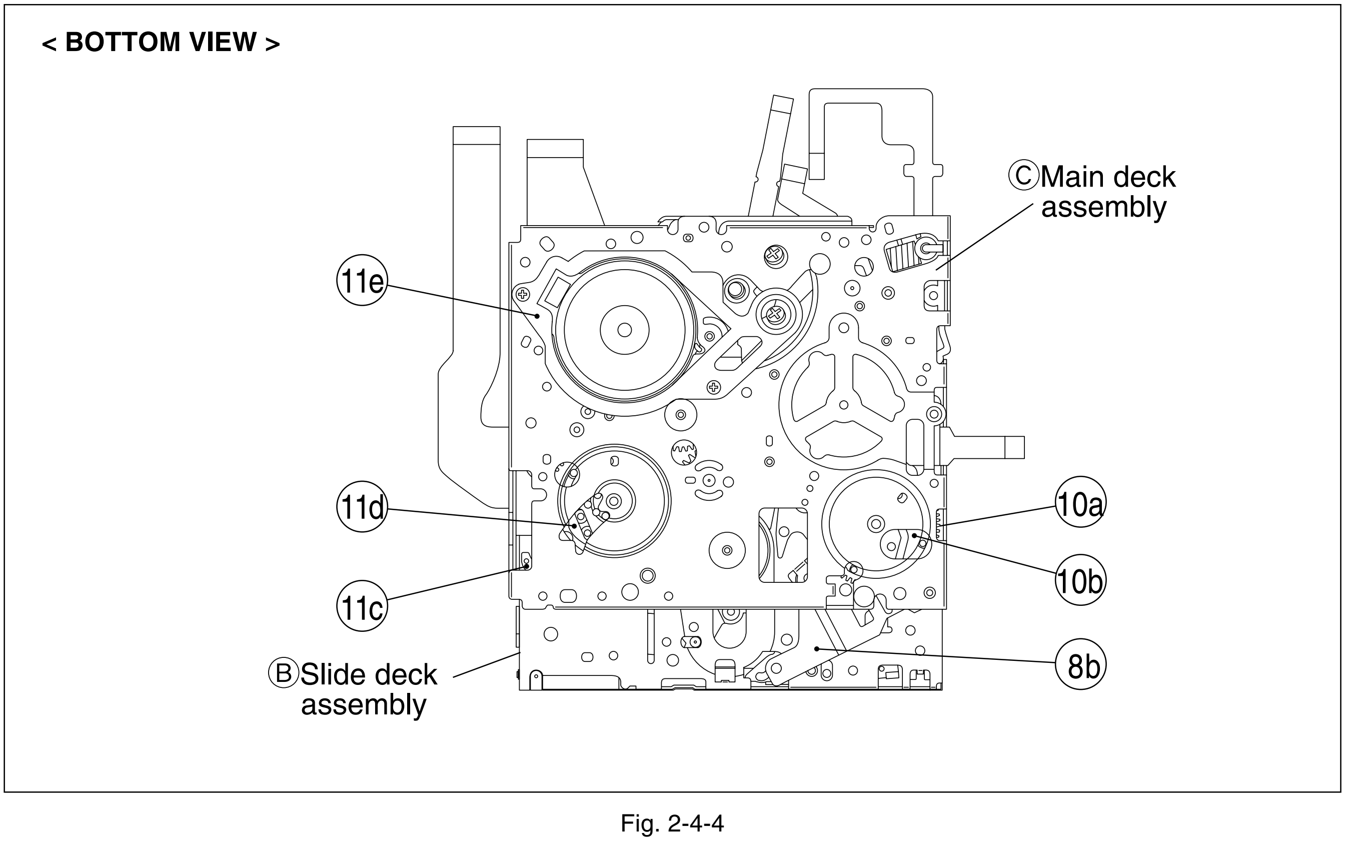

< BOTTOM VIEW >
Ⓒ Main deck assembly
11e
11d
11c
10a
10b
8b
Ⓑ Slide deck assembly

Fig. 2-4-4

2.4.2 Disassembly/assembly

1. Ⓐ Cassette housing assembly

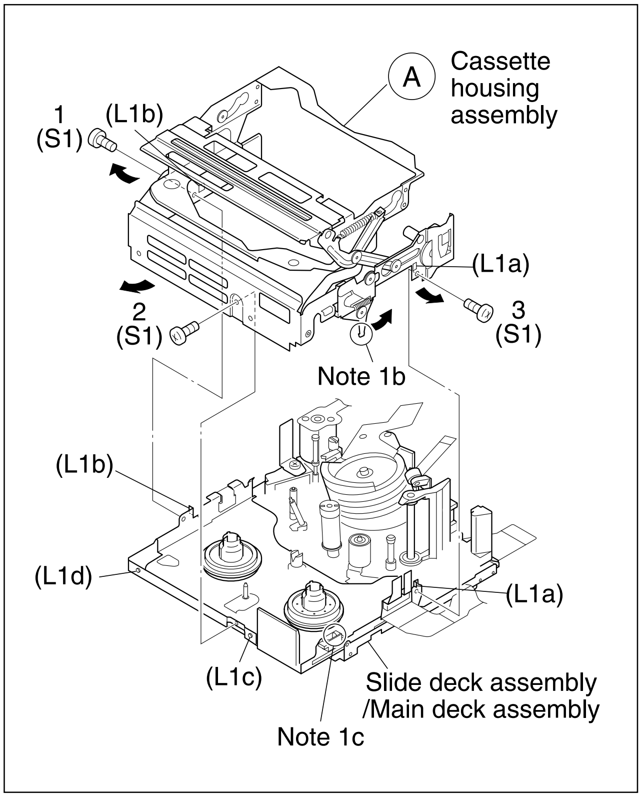
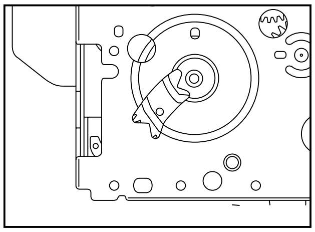
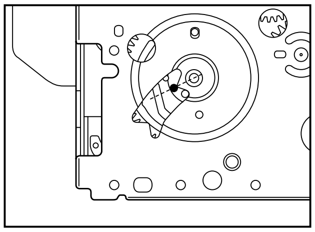

A
Cassette housing assembly
1
(S1)
(L1b)
(L1a)
2
(S1)
3
(S1)
Note 1b
(L1b)
(L1d)
(L1a)
(L1c)
Slide deck assembly
/Main deck assembly
Note 1c

Fig. 2-4-5

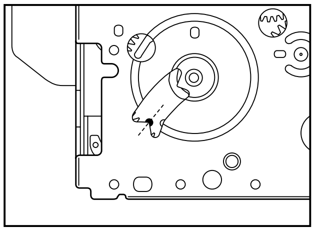
<STOP mode>



<EJECT mode>



<PLAY mode>



Note 1a:
Shift the mechanism mode from the STOP mode to the EJECT mode.

Note 1b:
Reassemble the cassette housing assembly to the mechanism as the cancel lever is moved in the direction of the arrow.

Note 1c:
When reassembling the cassette housing to the mechanism, make sure that there is no deformation in the frame or no damage to the switches, etc.

Note 1d:
After reassembling the component parts, check the mechanism operation in the PLAY mode.
For details of checking method, refer to "2.6.1 assembling slide deck assembly and main deck assembly".

2. (2a) Reel disk (SUP) assembly
(2b) Reel disk (TU) assembly
(2c) Reel cover assembly

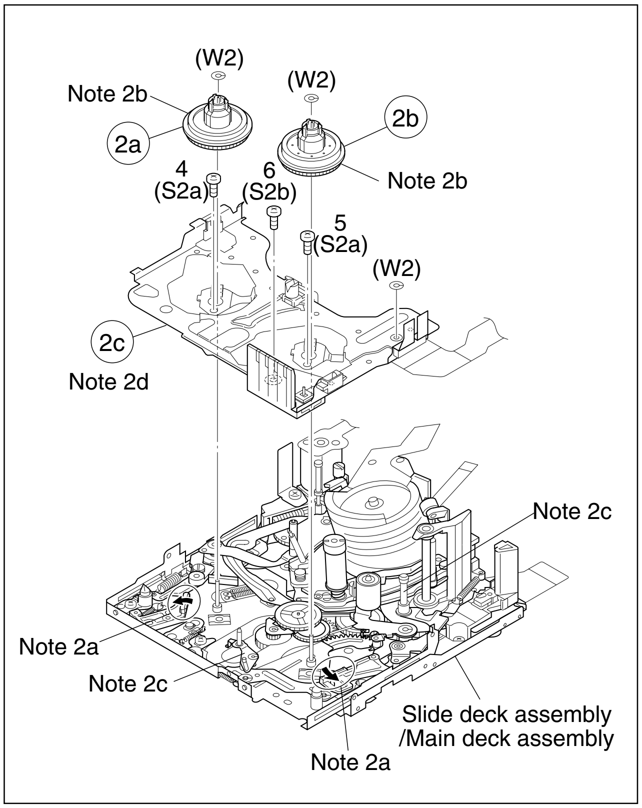
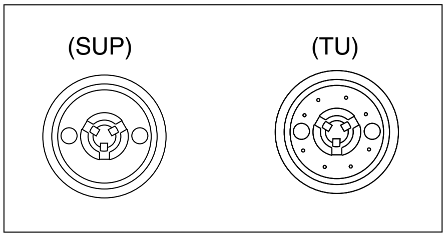

(W2)
Note 2b
(W2)
2b
2a
4
(S2a)
6
(S2b)
Note 2b
5
(S2a)
(W2)
2c
Note 2d
Note 2c
Note 2a
Note 2c
Slide deck assembly
/Main deck assembly
Note 2a

Fig. 2-4-6

Note 2a:
When removing the reel disk assembly, be careful not to break the brake pad which applies lateral pressure to the reel disk.

Note 2b:
Be careful not to make a mistake in installing the reel disk. The SUP reel disk and TU reel disk can be distinguished from each other by the appearance as shown below.



Note 2c:
When reassembling the cassette housing to the mechanism, make sure that there is no deformation in the frame or no damage to the switches, etc.

Note 2d:
When fitting the reel cover assembly to the set, carefully tighten the screw with the specified tightening torque of 0.069N•m (0.7kgf•cm).

3. (3a) Tension arm assembly/ (3b) Release guide assembly
(3c) Idler arm assembly/ (3d) Guide arm assembly
(3e) Pinch roller arm assembly

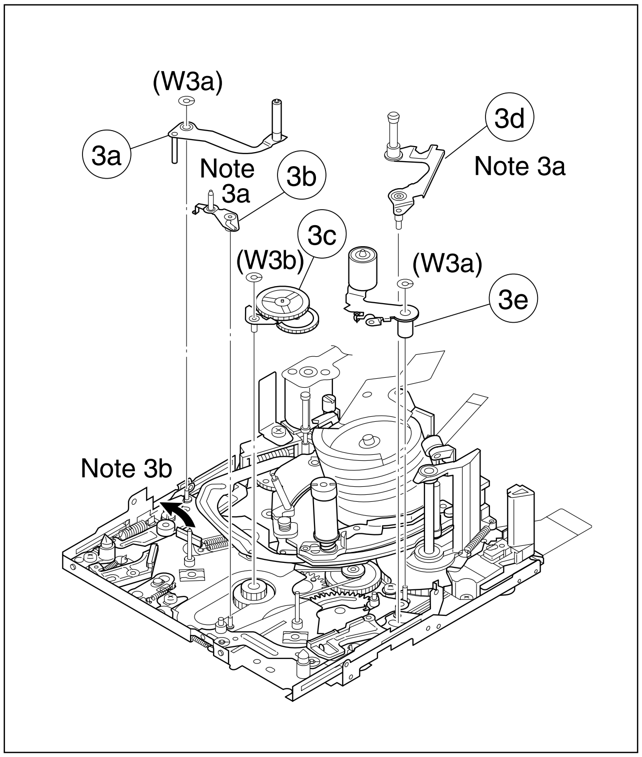
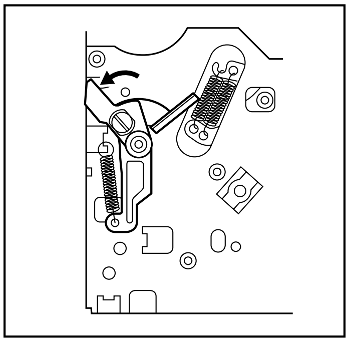

(W3a)
3a
Note 3a
3b
3d
Note 3a
3c
(W3b)
(W3a)
3e
Note 3b

Fig. 2-4-7

Note 3a:
When removing the reel cover assembly, pay heed to release guide assembly and guide arm assembly. For, the guide arm assembly is just inserted into the slide deck assembly from the upside and it is apt to come off after the reel cover assembly is removed.

Note 3b:
Reassemble the tension arm assembly to the mechanism as the pad arm assembly is moved to the extent in the direction of the arrow.



4. (4a) Cleaner arm assembly/ (4b) Slant pole arm assembly
(4c) Drum assembly

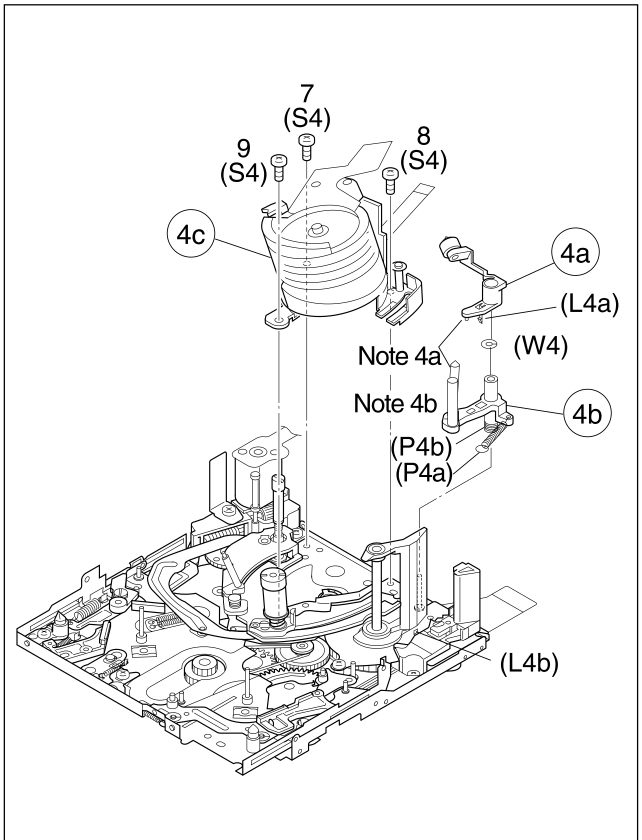
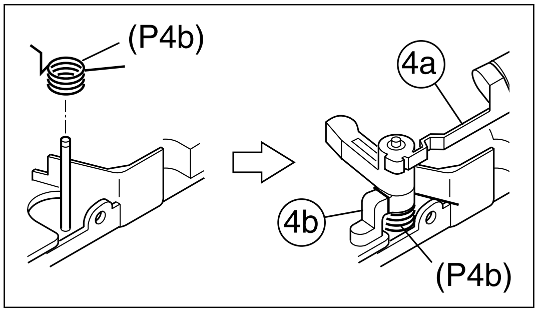

7
(S4)
9
(S4)
8
(S4)
4c
4a
(L4a)
Note 4a
(W4)
Note 4b
4b
(P4b)
(P4a)
(L4b)

Fig. 2-4-8

Note 4a:
When removing the cleaner arm assembly, it is recommended to remove the slant pole arm assembly together with it except the case of a single unit replacement, because the hook (L4a) is hard to disengage.

Note 4b:
How to set the coil spring (P4b).


(P4b)
4a
4b
(P4b)

5. (5a) Guide roller (S) assembly/ (5b) Rail assembly

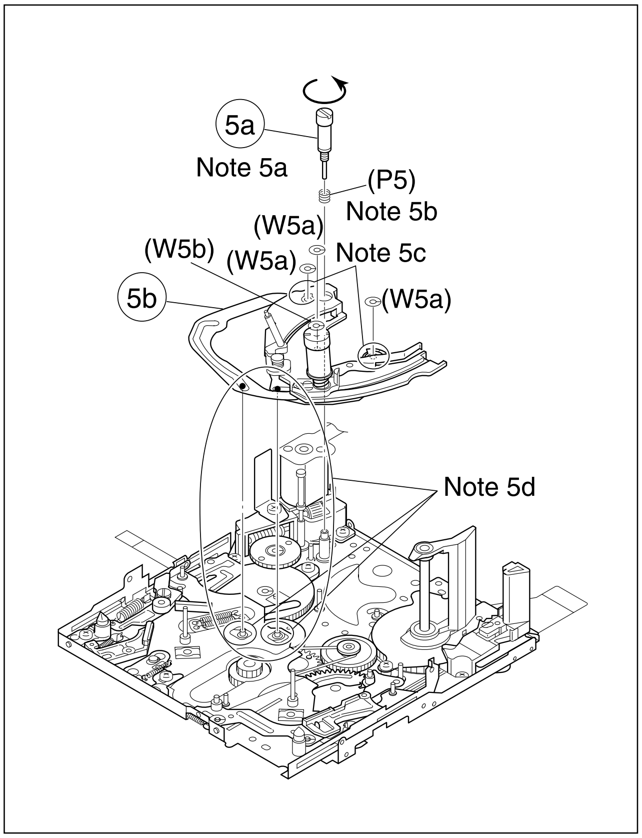
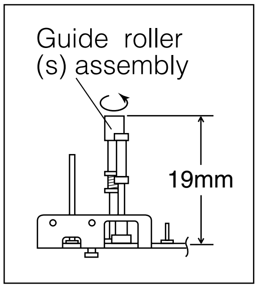

5a
Note 5a
(P5)
Note 5b
(W5a)
(W5b)
(W5a)
Note 5c
5b
(W5a)
Note 5d

Fig. 2-4-9

Note 5a:
When reassembling, insert the tip of the guide roller with the coil spring put on it into the hole on the main deck. Tighten the guide roller by about 6 turns so that the height of the guide roller assembly is 19 mm or so as shown in the figure.


Guide roller
(s) assembly
19mm

Note 5b:
Pay careful attention to the spring not to lose it.

Note 5c:
Pay careful attention to the engagement of the rail assembly's arm ends because they easily come off the engagement. Moreover, make sure that there is neither deformation nor damage observed in them.

Note 5d:
When removing the rail assembly, check to see if the collar is securely set in the arm groove.

6. Ⓑ Slide deck assembly/ Ⓒ Main deck assembly

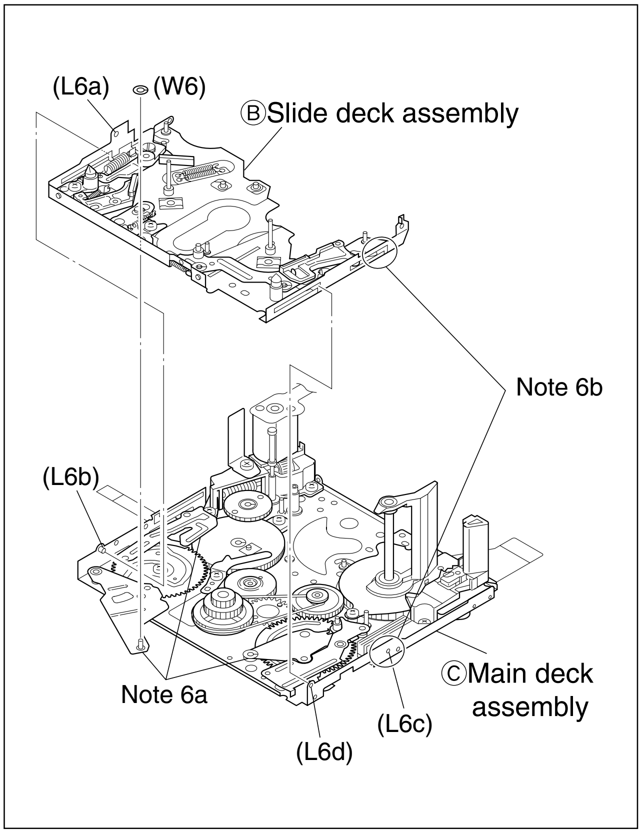
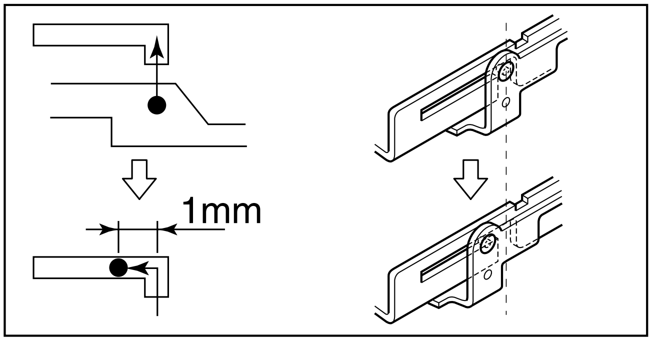

(L6a)
(W6)
Ⓑ Slide deck assembly
Note 6b
(L6b)
Note 6a
Ⓒ Main deck
assembly
(L6c)
(L6d)

Fig. 2-4-10

Note 6a:
When removing the slide deck assembly, pay heed to the three components of the following because they are apt to come off after the slide deck assembly is removed.

(8a) *Tension lever assembly/* (8b) *Slide lever assembly*
(8c) *Brake control lever assembly*
For reassembling those components, refer to Fig. 2-4-12.

Note 6b:
When reassembling the slide deck assembly to the main deck assembly, combine them with each other by the side grooves and then slide the slide deck assembly by 1 mm or so.



7. 7a Loading brake assembly/ 7b Guide pin (S)
7c Pad arm assembly/ 7d Slide guide plate assembly
7e Collar/ 7f Collar/ 7g Sub brake assembly
7h Control plate assembly

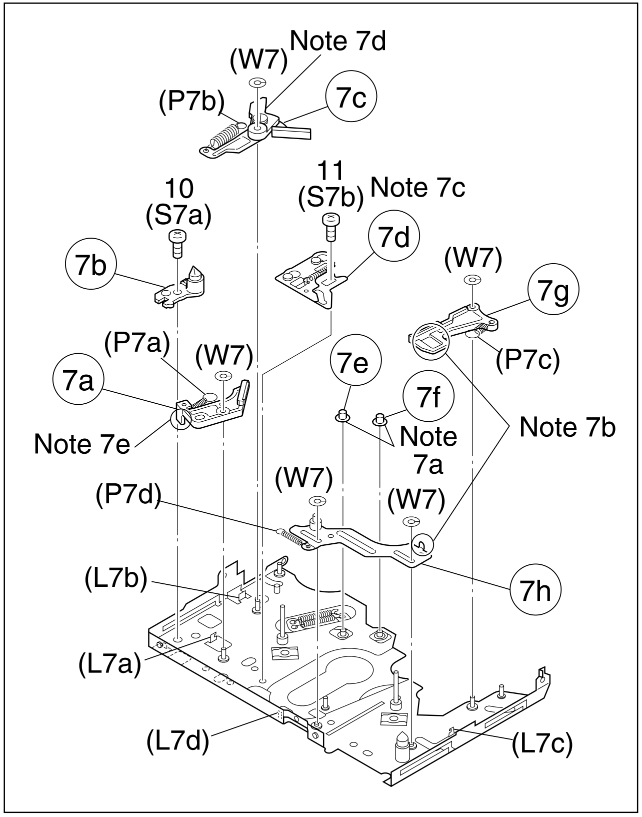


Fig. 2-4-11

8. 8a Tension lever assembly/ 8b Slide lever assembly
8c Brake control lever assembly

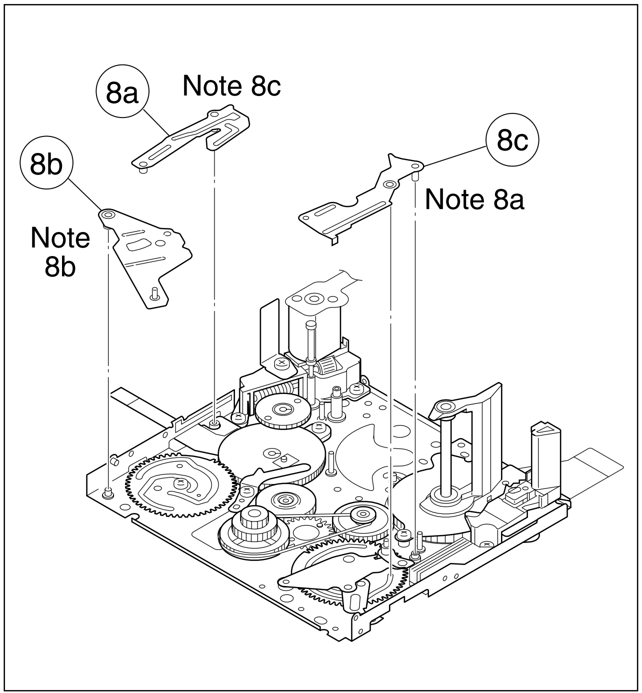
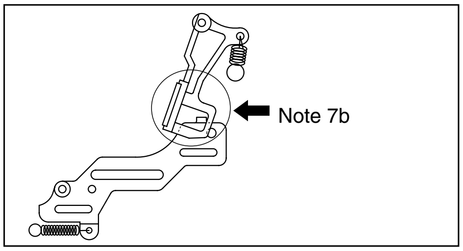


Fig. 2-4-12

Note 7a:
Don't remove these parts unreasonably. If they are removed for some reason, be very careful not to lose them.

Note 7b:
When reinstalling the sub brake assembly, set the control plate assembly so that its hook is set in the □ part of the sub brake assembly.



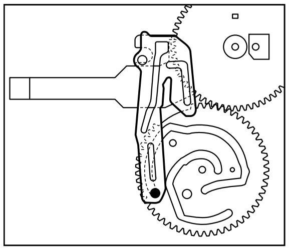
Note 7c:
Since the slide guide plate assembly controls the slide deck assembly so that it exactly slides the main deck assembly, it must exactly be assembled in the PLAY mode. Therefore, temporarily fix the slide guide plate assembly in this stage. For details of reassembling procedure, refer to "2.6.1 Assembling slide deck assembly and main deck assembly" .

Note 7d:
The pad arm assembly controls the tension level of the tension arm assembly. For adjustment of the tension arm assembly, refer to "2.6.2 Locating tension pole".

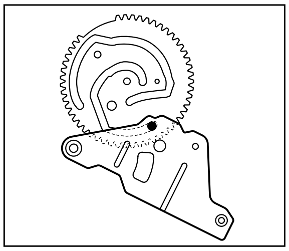
Note 7e:
When reinstalling the loading brake assembly, slightly lift the slide deck assembly upwards because the lower part of the loading brake assembly sticks out of the slide deck assembly.

Note 8a, 8b, 8c:
For refitting the respective parts, refer to the following figures

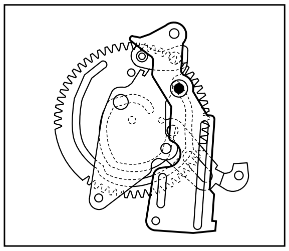
8a Tension lever assembly



8b Slide lever assembly



8c Brake control lever assembly



9. 9a Loading guide/ 9b Timing belt
9c Center gear assembly/ 9d Motor bracket assembly
9e Worm wheel/ 9f Gear holder

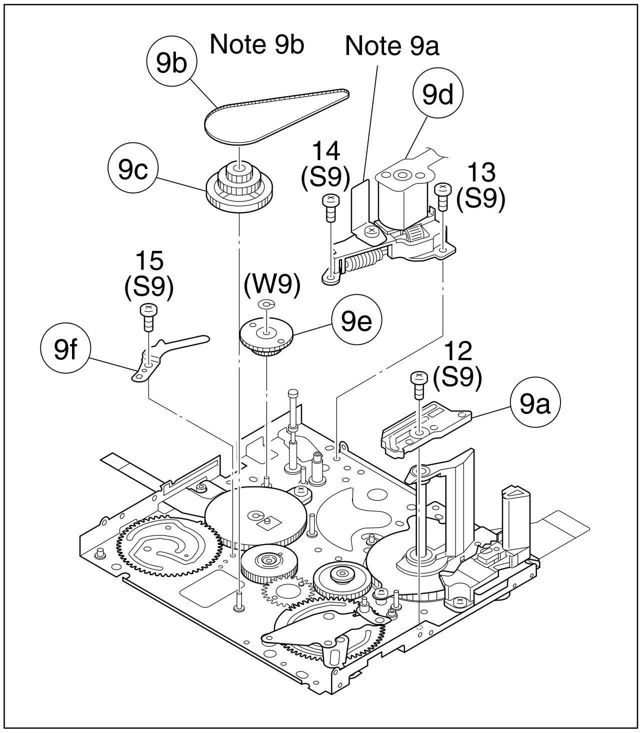

9b
Note 9b
Note 9a
9d
9c
14
(S9)
13
(S9)
15
(S9)
(W9)
9e
9f
12
(S9)
9a

Fig. 2-4-13

Note 9a:
Carefully handle the DEW sensor. (Don’t touch the sensor surface in particular.)

Note 9b:
When engaging the timing belt, make sure that it securely engages with the gears of both the center gear assembly and reel drive pulley assembly.

10. 10a Main cam gear/ 10b Brake control plate
10c Rotary encoder/ 10d Connect gear
10e Reel drive pulley assembly

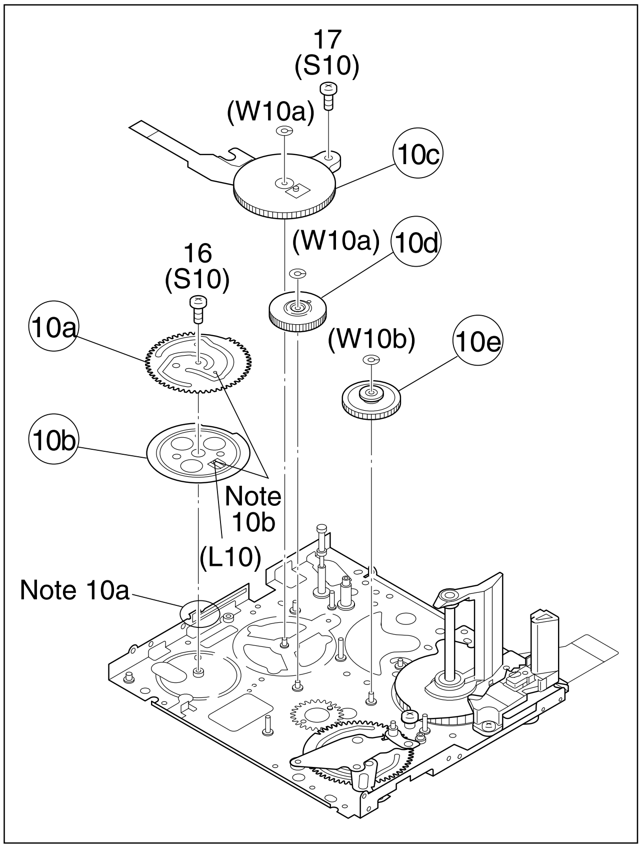
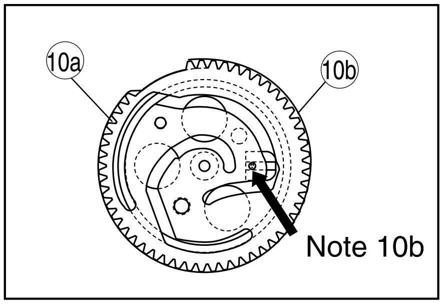

17
(S10)
(W10a)
10c
(W10a)
10d
16
(S10)
10a
(W10b)
10e
10b
Note
10b
(L10)
Note 10a

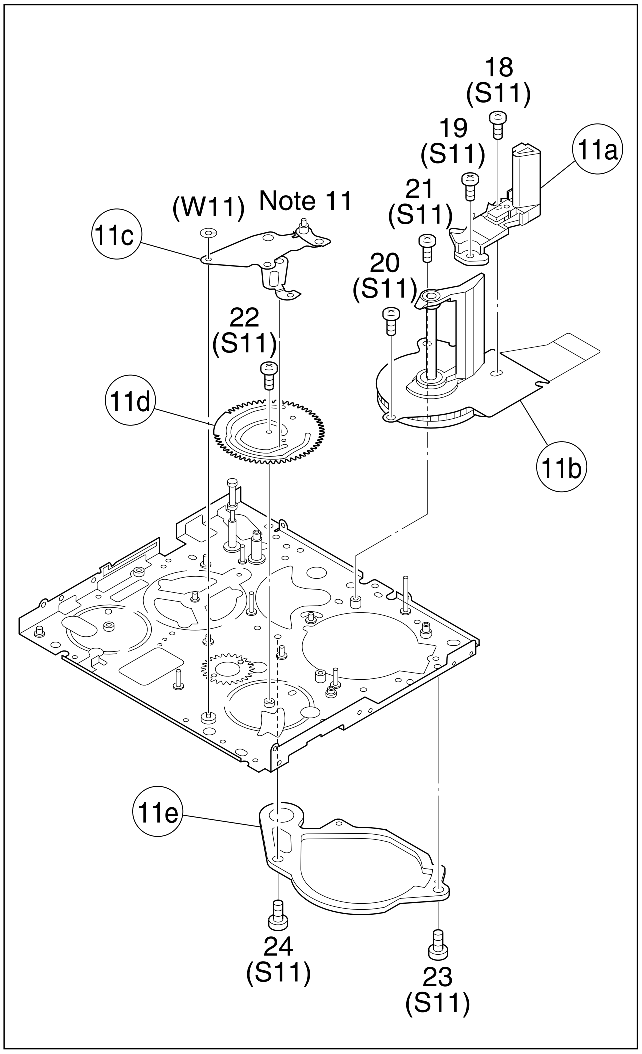
Fig. 2-4-14

Note 10a:
When removing/refitting parts, pay careful attention to the flexible board and so on not to damage them.

Note 10b:
When reinstalling the main cam gear and the brake control plate, first fit them together so that the protrusion on the brake control plate is set in the slot on the main cam gear as shown below, next install the two together to the main deck assembly.


10a
10b
Note 10b

11. ⑪a Catcher (T) assembly/ ⑪b Capstan motor
⑪c Charge arm assembly/ ⑪d Sub cam gear
⑪e PWB holder

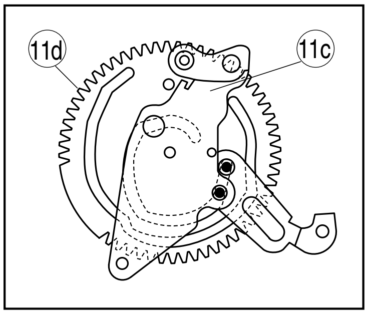


18
(S11)
19
(S11)
11a
21
(S11)
(W11)
Note 11
11c
20
(S11)
22
(S11)
11d
11b
11e
24
(S11)
23
(S11)

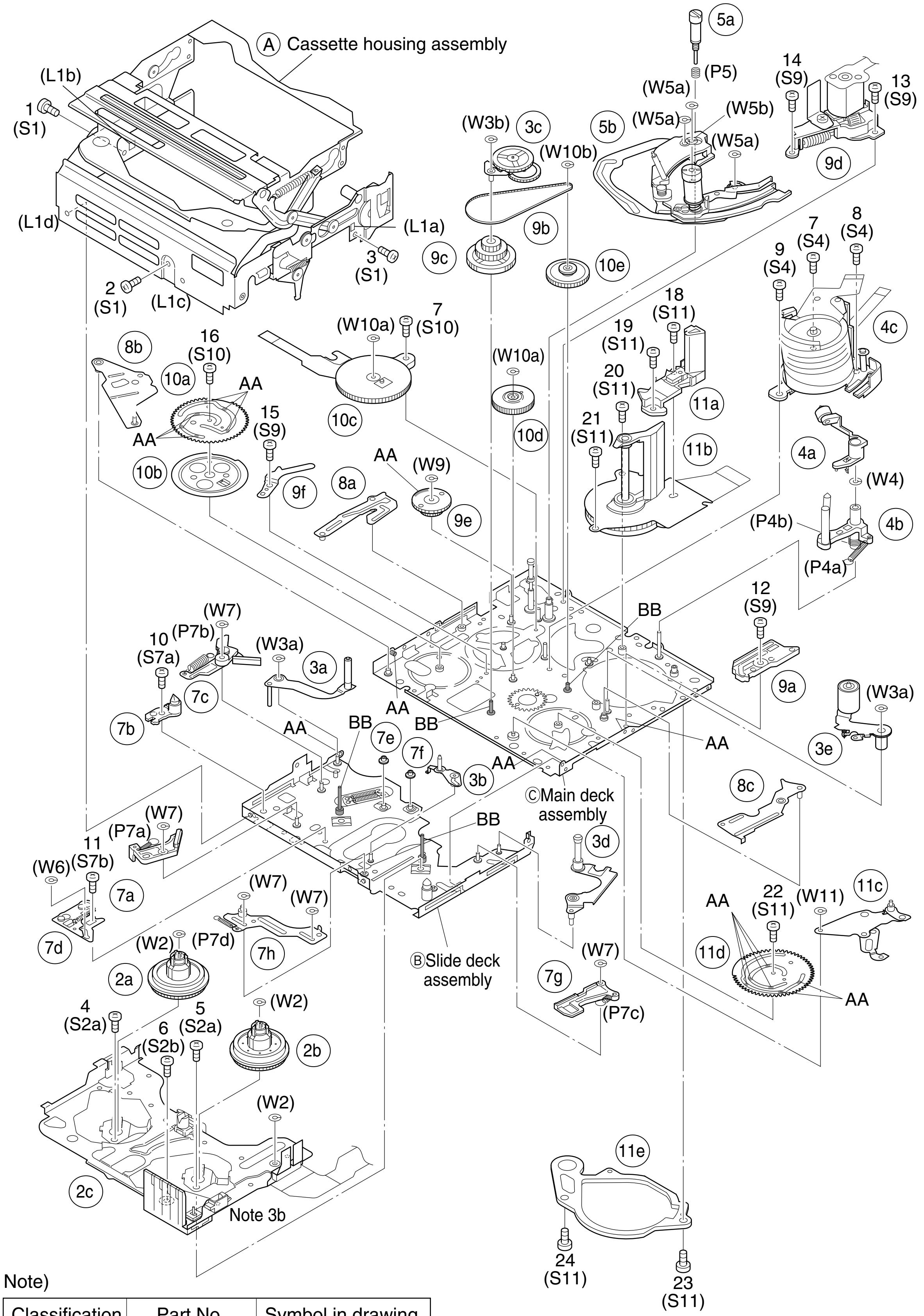
Fig. 2-4-15

Note 11:

The following figure shows how to put the charge arm assembly and sub cam gear assembly together.



2.4.3 List of procedures for disassembly

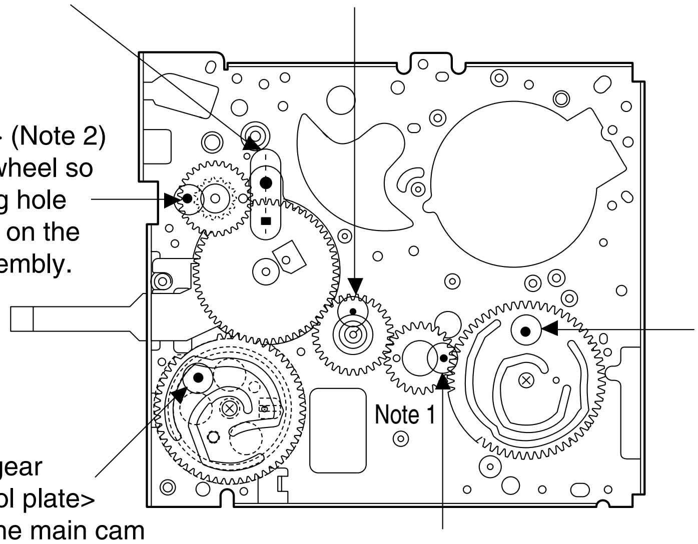

Ⓐ Cassette housing assembly
(L1b)
1
(S1)
(L1d)
(L1a)
3
(S1)
2
(S1)
(L1c)
5a
(P5)
(W5a)
(W5a)
(W5b)
(W5a)
5b
(W3b)
3c
(W10b)
14
(S9)
13
(S9)
9d
9b
9c
10e
7
(S4)
8
(S4)
9
(S4)
4c
18
(S11)
19
(S11)
20
(S11)
11a
21
(S11)
11b
8b
16
(S10)
10a
AA
AA
(W10a)
7
(S10)
10c
(W10a)
10d
15
(S9)
10b
9f
8a
AA
(W9)
9e
4a
(W4)
(P4b)
4b
(P4a)
12
(S9)
BB
9a
(W3a)
3e
(W7)
10
(P7b)
(S7a)
(W3a)
3a
7c
7b
AA
AA
BB
BB
7e
7f
3b
AA
AA
Ⓒ Main deck assembly
8c
3d
BB
(W7)
(P7a)
11
(S7b)
(W6)
7a
7d
(W7)
(W7)
7h
(W2)
(P7d)
2a
Ⓑ Slide deck assembly
(W7)
7g
(P7c)
22
(S11)
(W11)
11c
AA
11d
AA
4
(S2a)
5
(S2a)
6
(S2b)
(W2)
2b
(W2)
2c
Note 3b
11e
24
(S11)
23
(S11)

Note)

Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-P	AA
Oil	YTU94027	BB

Fig. 2-4-16

2.5 CHECKUP AND ADJUSTMENT OF MECHANISM PHASE



<Rotary encoder>
Set the "■" of the rotary part at the tapped hole as shown in the figure.

<Connect gear> (Note 2)
Set the connect gear so that its locating hole meets the hole on the main deck assembly.

<Worm wheel> (Note 2)
Set the worm wheel so that its locating hole meets the hole on the main deck assembly.

<Sub cam gear>
Set the sub cam gear so that its locating hole meets the hole on the main deck assembly. This state represents that the mechanism is in the EJECT mode, which is the "mechanism assembly mode".

<Main cam gear /Brake control plate>
After fitting the main cam gear and brake control plat together,set them together so that their locating holes meet the hole on the main deck assembly.

<Connect gear 2> (Note 2)
Set the connect gear 2 so that its locating hole meets the hole on the main deck assembly.

Note 1:
Since the connect gear 2 is tightly fixed to the main deck by caulking, adjust its phase with the connect gear and sub cam gear.

Note 2:
The part that needs phase adjustment by the hole on the main deck assembly must exactly be set as the specified phase. There is a fear that some part is installed in a wrong phase because assembling of the mechanism is automated. If so, set every part in the correct phase whenever the mechanism is reassembled.

Fig. 2-5-1

2.6 MECHANISM ADJUSTMENTS

2.6.1 Assembling slide deck assembly and main deck assembly

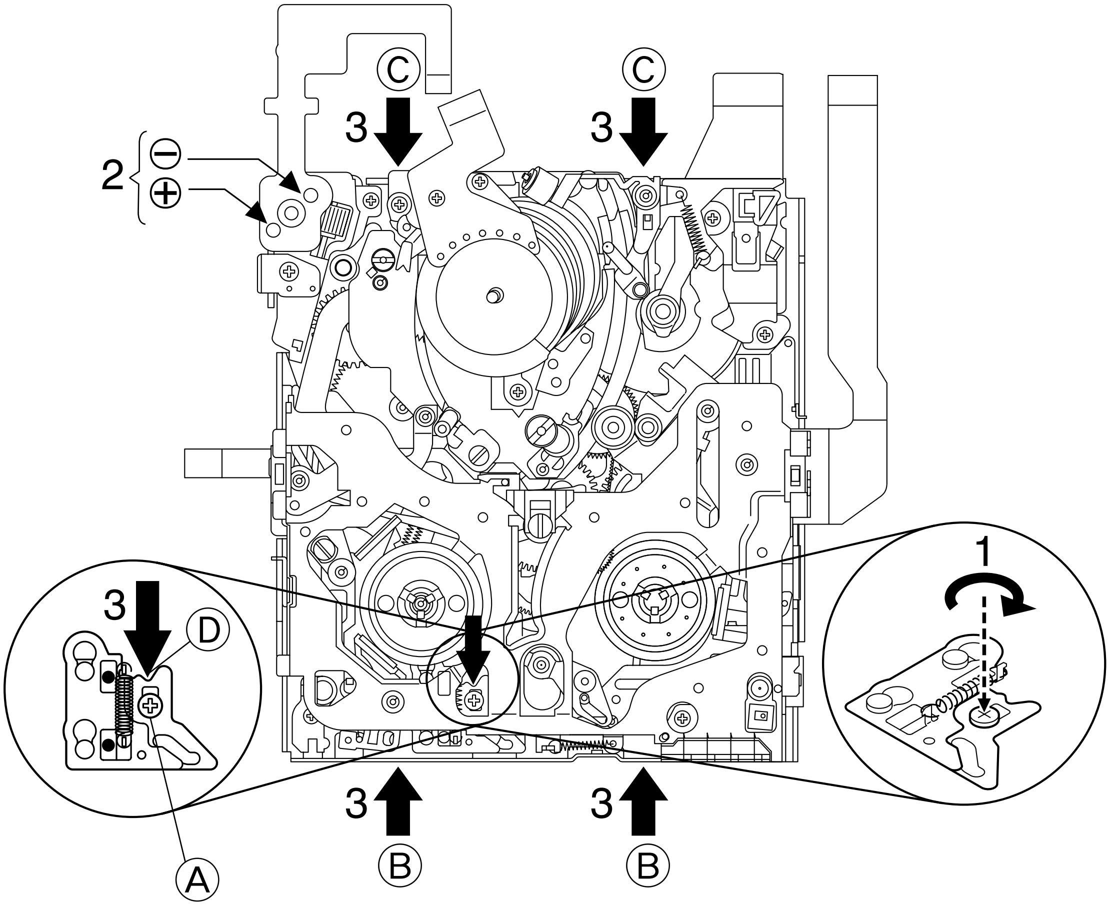


Fig. 2-6-1

Assembling procedure

1. Loosen the screw Ⓐ.
2. Set the mechanism in the PLAY mode.
   (Refer to “2.3.2 Explanation of mechanism mode”.)
3. Press the end face Ⓑ of the slide deck assembly (reel disk side) and the end face Ⓒ of the main deck assembly (drum assembly side) with uniform force so that the two assemblies are tightly pressed to each other. Furthermore, press the part Ⓓ and tighten the screw Ⓐ.

Note : *Tightening torque for screw Ⓐ: 0.069 N·m (0.7 kgf·cm)*

2.6.2 Locating tension pole

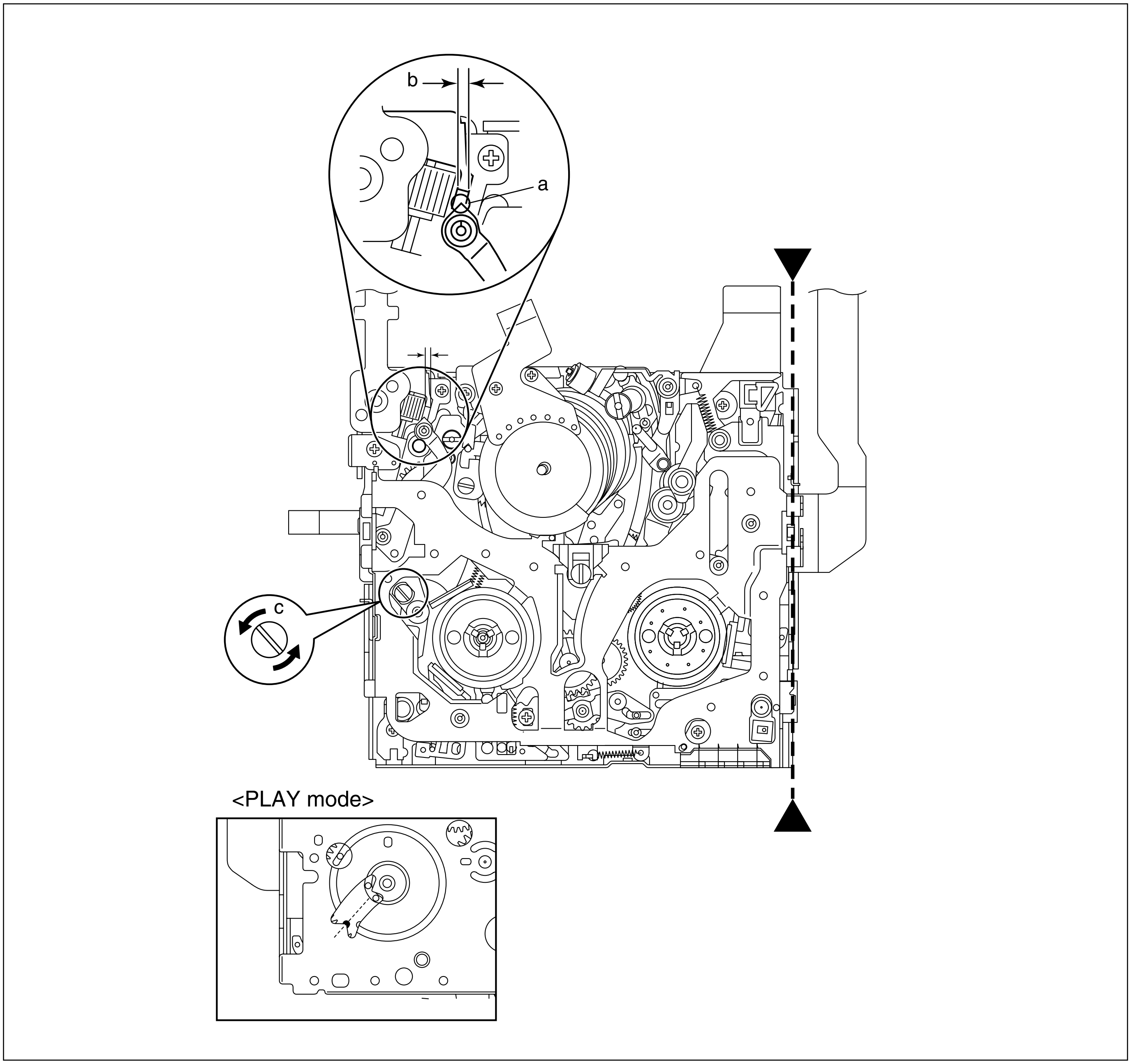


Fig. 2-6-2

Locating procedure

1. Enter the mechanism assembly into the PLAY mode. (Refer to “2.3.2 Explanation of mechanism mode”.)
2. When the “ ▶-----◀ ” part is positioned down, make sure that the part “a” of the tension arm assembly is located within the range of “b”.
3. If the part “a” is out of the range, turn the pin “c” to adjust the position.

2.7 SERVICE NOTE

Use the following chart to manage mechanism parts that are removed for disassembling the mechanism.

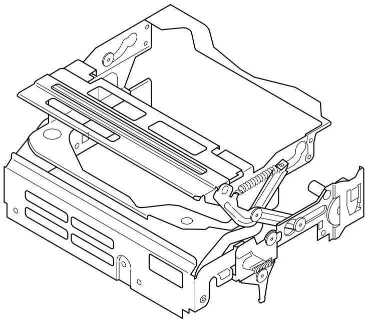
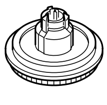
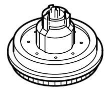
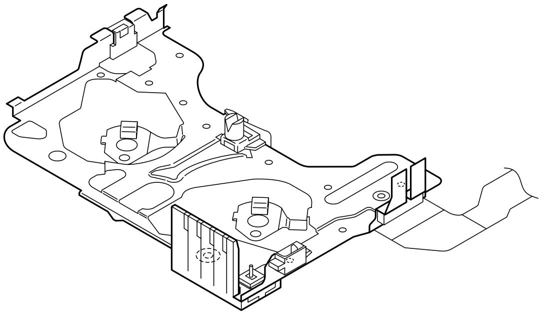
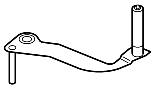
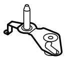
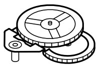
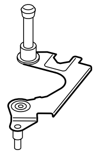
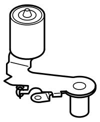
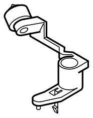
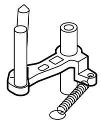
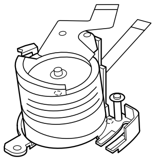
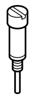
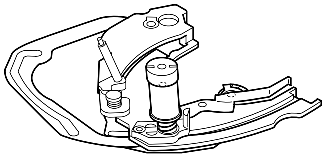
1	A Cassette housing assembly  S1×3				
2	2a Reel disk (SUP) assembly  W2×1 2b Reel disk (TU) assembly  W2×1	2c Reel cover assembly  S2a×2 S2b×1 W2×1			
3	3a Tension arm assembly  W3a×1	3b Release guide assembly 	3c Idler arm assembly  W3b×1	3d Guide arm assembly 	3e Pinch roller arm assembly  W3a×1
4	4a Cleaner arm assembly 	4b Slant pole arm assembly  W4×1 P4a×1 P4b×1	4c Drum assembly  S4×3		
5	5a Guide roller (S) assembly  P5×1	5b Rail assembly  W5a×3 W5b×1			

Table 2-7-1a

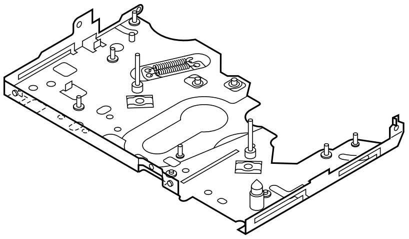
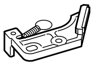
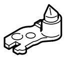
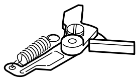
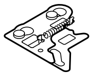
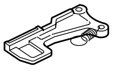
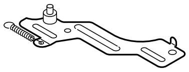
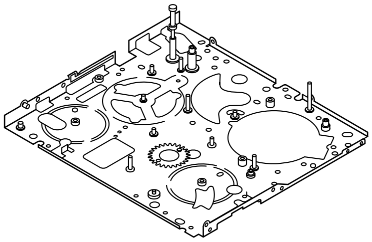
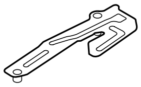
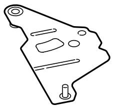
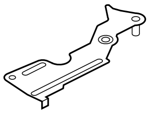
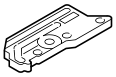
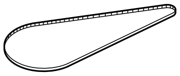
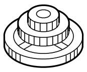
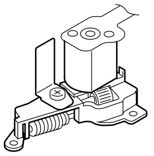
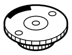
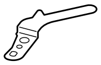
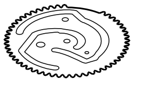
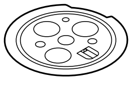
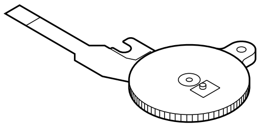
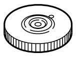
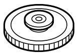
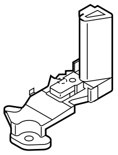
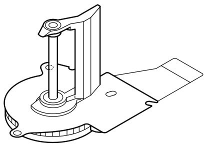
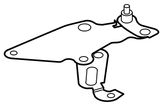
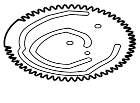
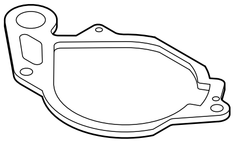
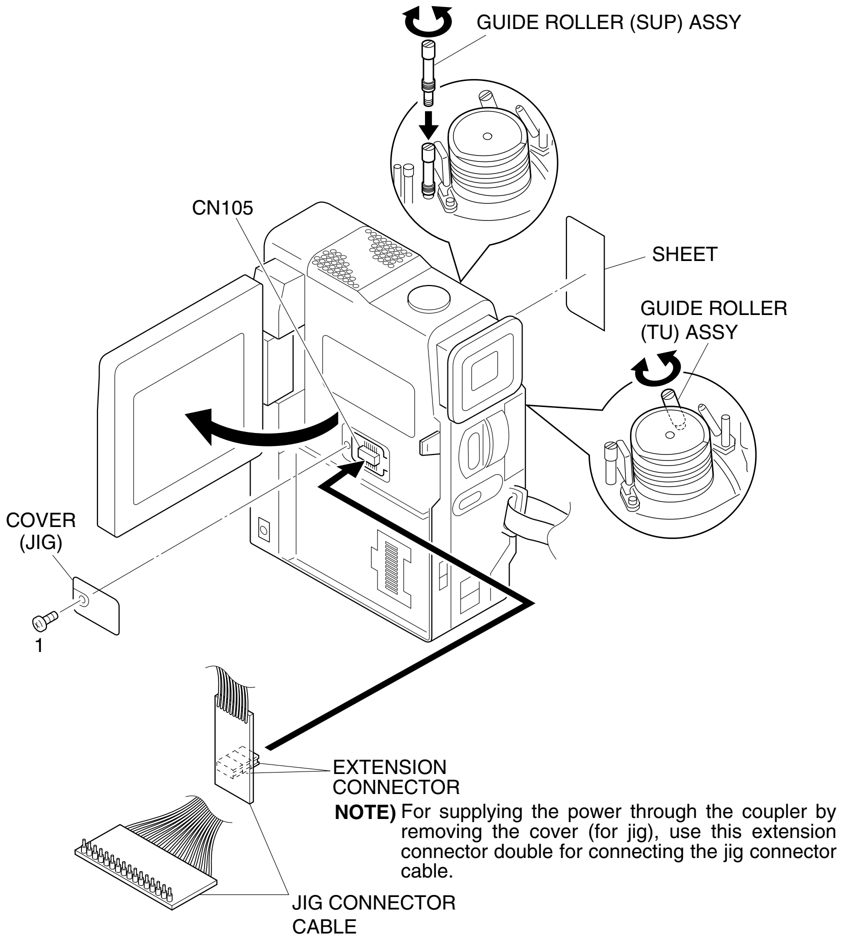
6	(B) Slide deck assembly 	W6×1
7	(7a) Loading brake assembly 	W7×1 P7a×1
	(7b) Guide pin (S) 	S7a×1
	(7c) Pad arm assembly 	W7×1 P7b×1
	(7d) Slide guide plate assembly 	S7b×1
	(7e) Collar	
	(7f) Collar	
	(7g) Sub brake assembly 	W7×1 P7c×1
	(7h) Control plate assembly 	W7×2 P7d×1
8	(C) Main deck assembly 	
	(8a) Tension lever assembly 	
	(8b) Slide lever assembly 	
	(8c) Brake control lever assembly 	
9	(9a) Loading guide 	S9×1
	(9b) Timing belt 	
	(9c) Center gear assembly 	
	(9d) Motor bracket assembly 	S9×2
	(9e) Worm wheel 	W9×1
	(9f) Gear holder 	S9×1
10	(10a) Main cam gear 	S10×1
	(10b) Brake control plate 	
	(10c) Rotary encoder 	S10×1 W10a×1
	(10d) Connect gear 	W10a×1
	(10e) Reel drive pulley assembly 	W10b×1
11	(11a) Catcher (T) assembly 	S11×2
	(11b) Capstan motor 	S11×2
	(11c) Charge arm assembly 	W11×1
	(11d) Sub cam gear 	S11×1
	(11e) PWB holder 	S11×2

Table 2-7-1b

2.8 JIG CONNECTOR CABLE CONNECTION

Remove one screw (1) first and the cover (JIG) next.


GUIDE ROLLER (SUP) ASSY
CN105
SHEET
GUIDE ROLLER (TU) ASSY
COVER (JIG)
1
EXTENSION CONNECTOR
JIG CONNECTOR CABLE

NOTE) For supplying the power through the coupler by removing the cover (for jig), use this extension connector double for connecting the jig connector cable.

Fig. 2-8-1 Jig connector cable connection

MAIN CN105	
AL_3VSYS	20
DJIG_SCK	10
DJIG_SPT	19
CVF_G	9
MON_G	18
JLIP_RX	8
JLIP_TX	17
GND	7
HID1	16
PB_CLK	6
ENV_OUT	15
MAIN_VCO	5
ATFI	14
FS_PLL	4
I_MTR	13
IF_TX	3
CJIG_RST	12
DJIG_MOD	2
REG_3V	11
VPPC	1

JIG BOARD (PIN NO.)	
1	AL_3VSYS
2	DJIG_SPT
3	MON_G
4	JLIP_TX
5	HID1
6	ENV_OUT
7	ATFI
8	I_MTR
9	CJIG_RST
10	REG_3V
11	DJIG_SCK
12	CVF_G
13	JLIP_RX
14	GND
15	PB_CLK
16	MAIN_VCO
17	FS_PLL
18	IF_TX
19	DJIG_MOD
20	VPPC

Fig. 2-8-2 Jig connector cable schematic diagram

SECTION 3
ELECTRICAL ADJUSTMENT

3.1 PRECAUTION

1. Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E^2PROM (IC1003 of MAIN board)
- E. VF
- MONITOR
- E^2PROM (IC7603 of MONITOR board)

In the event of malfunction with electrical circuits, troubleshooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.

2. Required test equipment

1. Color TV monitor.
2. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)
   Note : ***It is recommended to use one observable 300 MHz or higher frequency.***
3. Digital voltmeter
4. Frequency counter (with threshold level adjuster)
5. Personal computer

3. Tools required for adjustments

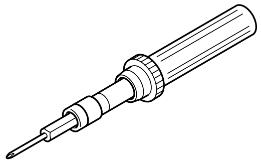
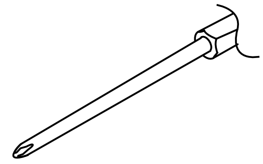
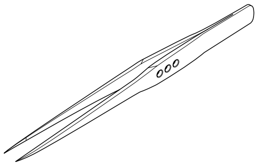
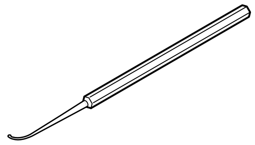
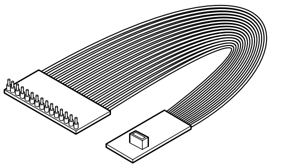
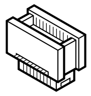
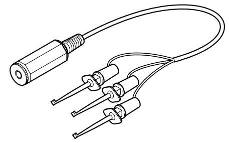
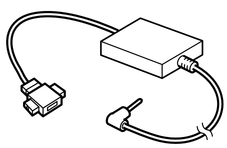
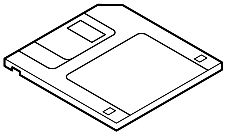
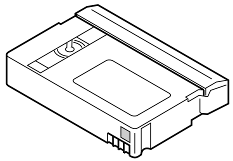
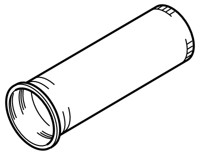
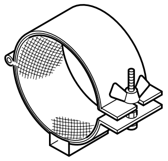
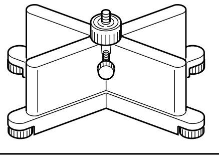
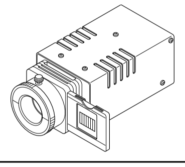
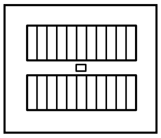
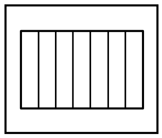
1 Torque Driver YTU94088	2 Bit YTU94088-003
	
3 Tweezers P-895	4 Chip IC Replacement Jig PTS40844-2
	
5 Jig Connector Cable YTU93091B	6 Extension connector YTU94145A
	
7 Communication Cable YTU93107A	8 PC Cable QAM0099-002
	
9 Service Support System YTU94057-53	10 Alignment Tape MC-2
	
11 INF Adjustment Lens YTU92001B	12 INF Adjustment Lens Holder YTU94087
	
13 Camera Stand YTU93079	14 Light box Assembly YTU93096A
	
15 Gray Scale Chart YTU94133A	16 Color Bar Chart YTU94133C
	

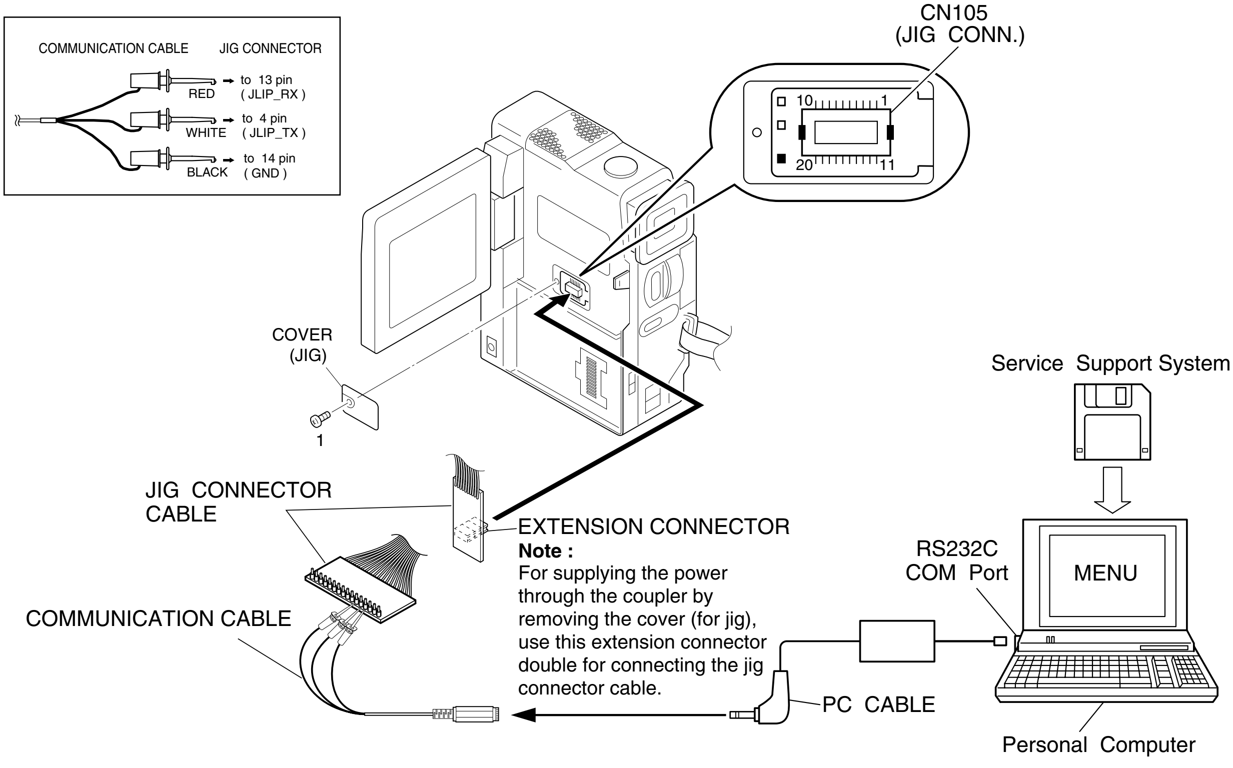
Table 3-1-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement jig**
   To be used for adjustment of the camera system.
5. **Jig connector cable**
   Connected to CN105 of the main board and used for electrical adjustment, etc.
6. **Extension connector**
   Connect this extension connector to the connector of the jig connector cable for extending the cable connector.
   Note: *For supplying the power through the coupler by removing the cover (for jig), use this extension connector double for connecting the jig connector cable.*
7. **Communication Cable**
   Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
8. **PC cable**
   To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.
9. **Service support system**
   To be used for adjustment with a personal computer.
10. **Alignment tape**
    To be used for check and adjustment of interchangeability of the mechanism.
11. **INF adjustment lens**
    To be used for adjustment of the camera system.
12. **INF adjustment lens holder**
    To be used together with the camera stand for operating the VideoMovie in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring.
13. **Camera stand**
    To be used together with the INF adjustment lens holder.
14. **Light box assembly**
    To be used for adjustment of the camera system.
15. **Gray scale chart (for Light box assembly)**
    To be used for adjustment of the camera system.
16. **Color bar chart (for Light box assembly)**
    To be used for adjustment of the camera system.

3.2 SETUP

1. Setup for electrical adjustment with personal computer.

NOTE: *Remove one screw (1) first and the cover (JIG) next.*


COMMUNICATION CABLE
JIG CONNECTOR
RED
to 13 pin (JLIP_RX)
WHITE
to 4 pin (JLIP_TX)
BLACK
to 14 pin (GND)
CN105 (JIG CONN.)
10
1
20
11
COVER (JIG)
1
JIG CONNECTOR CABLE
EXTENSION CONNECTOR
COMMUNICATION CABLE
Service Support System
RS232C COM Port
MENU
PC CABLE
Personal Computer

Note :
For supplying the power through the coupler by removing the cover (for jig), use this extension connector double for connecting the jig connector cable.

Fig. 3-2-1 Connection for Service support system

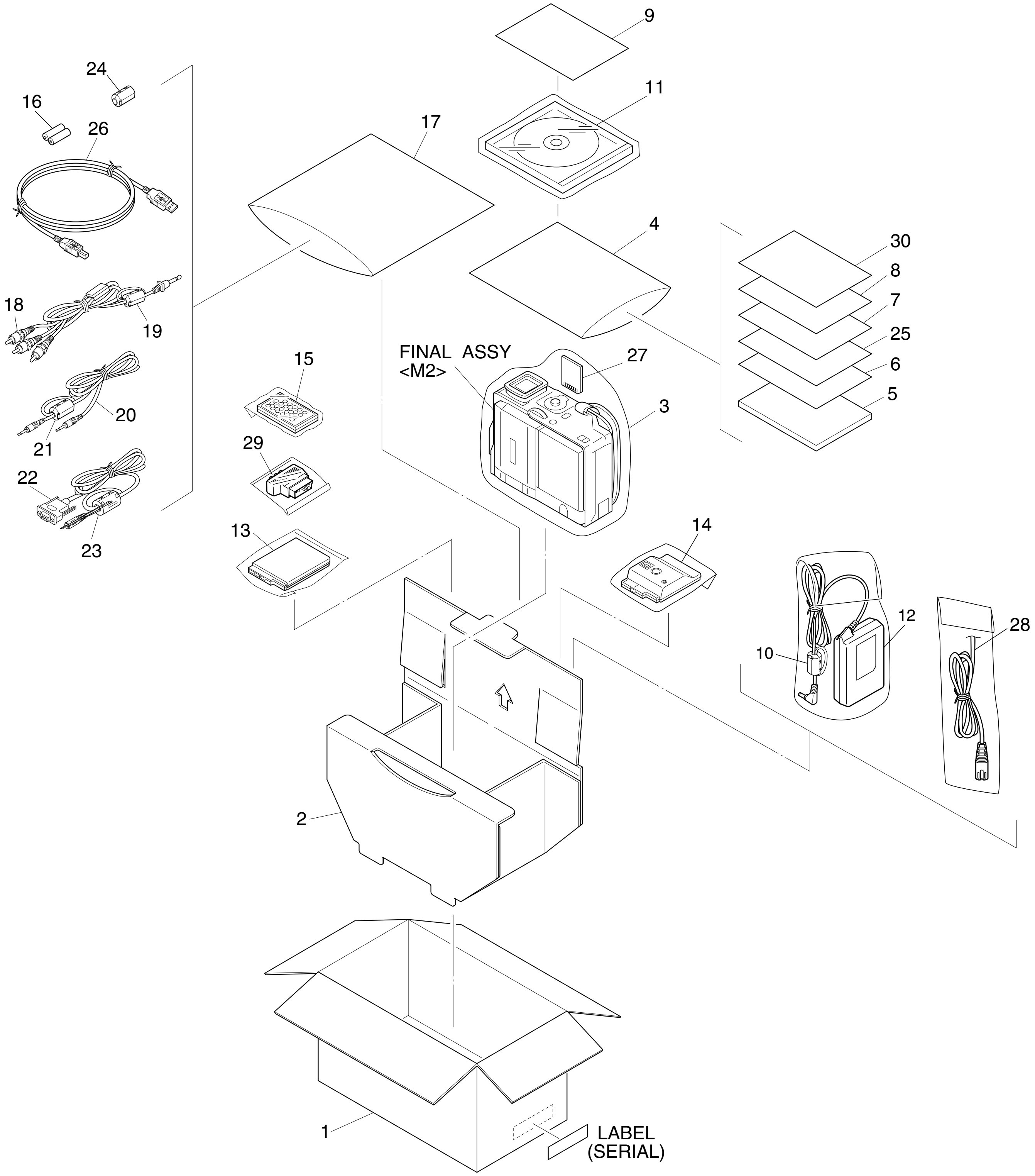
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION

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PACKING AND ACCESSORY ASSEMBLY <M1>

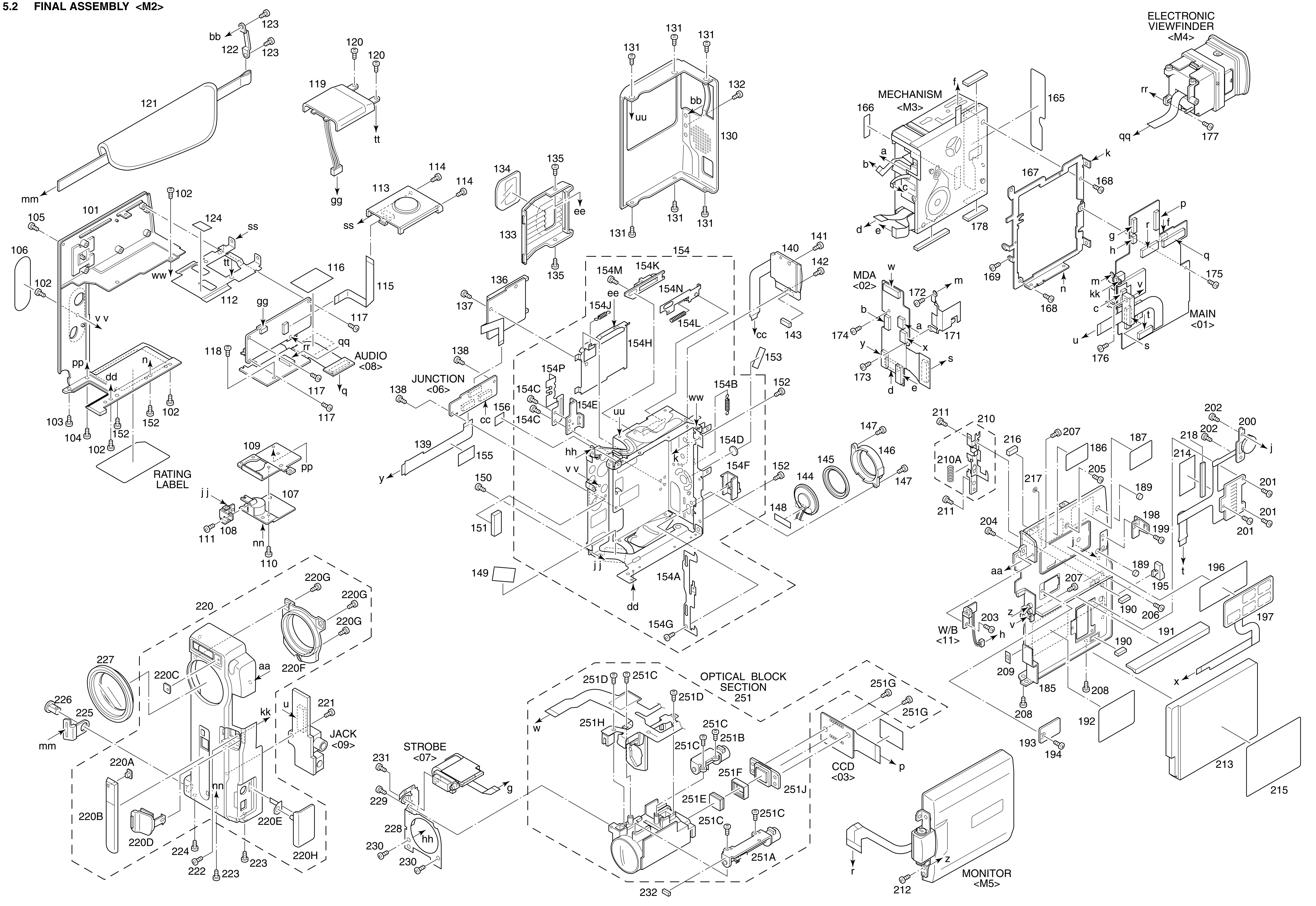
⚠	REF No.	PART No.	PART NAME, DESCRIPTION
	1	LY31717-022A	PACKING CASE,D
		LY31717-023A	PACKING CASE,B
		LY32032-007A	PACKING CASE,C,E
		LY32032-008A	PACKING CASE,A
	2	LY20588-001A	CUSHION
	3	LY30023-003A	POLY BAG
	4	QPA02003006	POLY BAG,A,C,E
		YQM30061-3	POLY BAG,B,D
⚠	5	LYT0757-001A	INST.BOOK(EN),B,D
⚠		LYT0757-002A	INST.BOOK(GE),A,C,E
⚠		LYT0757-003A	INST.BOOK(FR),A,C,E
⚠		LYT0757-004A	INST.BOOK(DU),A,C,E
⚠		LYT0757-005A	INST.BOOK(SP),A,C,E
⚠		LYT0757-006A	INST.BOOK(IT),A,C,E
⚠		LYT0757-007A	INST.BOOK(DA),A,C,E
⚠		LYT0757-008A	INST.BOOK(FI),A,C,E
⚠		LYT0757-009A	INST.BOOK(SW),A,C,E
⚠		LYT0757-010A	INST.BOOK(NO),A,C,E
⚠		LYT0757-011A	INST.BOOK(RU),A,C,E
⚠		LYT0757-012A	INST.BOOK(CZ),A,C,E
⚠		LYT0757-013A	INST.BOOK(PO),A,C,E
⚠		LYT0757-014A	INST.BOOK(HU),A,C,E
⚠	6	LYT0501-001A	INST.BOOK(SOFT.SETUP),B
⚠	7	LYT0378-003A	SHEET(AGREMENT)
	8	LYT0194-001B	Q.CARD(JUK),B,D
	9	BT-54008-2	GUARANTY CARD,B,D
		BT-54013-2	WARRANTY CARD,A,C,E
	10	QQR0490-002	CORE FILTER
	11	LY32210-002B	CD ROM,A,B
		LY32210-004A	CD ROM,C,D,E
⚠	12	LY20688-013A	AC ADAPTER,AP-V10EG
⚠	13	LY31174-006A	BATTERY PACK,BN-V507U
	14	LY32142-001A	JACK BOX,CU-V506,C,D,E
		LY32142-002A	JACK BOX,CU-V505,A,B
	15	LY20750-001A	REMOTE CONTROL UNIT,RM-V717U
	16	–	BATTERY,AAA(R03),X2
	17	QPA01703005	POLY BAG,A,B
	18	QAM0347-001	CABLE ASSY,AUDIO/VIDEO CABLE
	19	QQR0918-002	CORE FILTER,A,B
	20	PEAC0428-150	CABLE ASSY,EDITING CABLE,C,D,E
		QAM0214-001	RM(EDITING)CABLE,A,B
	21	QQR0491-002	CORE FILTER,A,B
	22	QAM0084-001	PC CONNECTION CABLE,A,B
	23	QQR0918-002	CORE FILTER,A,B
	24	QQR0491-002	CORE FILTER,A,B
⚠	25	LYT0760-001A	INST.BOOK(SOFT.5LANG),C,E
⚠		LYT0760-002A	INST.BOOK(SOFT.5LANG),C,E
⚠		LYT0760-003A	INST.BOOK(SOFT.RU),C,E
⚠		LYT0761-001A	INST.BOOK(SOFT.EN),D
⚠		LYT0737-001A	INST.BOOK(SOFT.5LANG),A
⚠		LYT0737-002A	INST.BOOK(SOFT.5LANG),A
⚠		LYT0737-003A	INST.BOOK(SOFT.RU),A
	26	QAM0322-001	USB CABLE,C,D,E
	27	QAM0262-002	MEMORY CARD,C,D,E
⚠	28	QMPL120-190-JR	POWER CORD,A,C,E
⚠		QMPP110-190-JR	POWER CORD,B,D
	29	QAM0302-001	ADAPTOR PLUG,CABLE ADAPTER
	30	LYT0760-004A	SHEET(ATT.),C,D,E

MODEL	MARK
GR-DVX44EG	A
GR-DVX44EK	B
GR-DVX77EG	C
GR-DVX77EK	D
GR-DVX88EG	E

• INSTRUCTIONS

EN .... ENGLISH
GE ...... GERMAN
FR .... FRENCH
DU ...... DUTCH
SP .... SPANISH
IT .... ITALIAN
DA .... DANISH
FI .... FINNISH
SW ...... SWEDISH
NO ...... NORWEGIAN
RU .... RUSSIAN
CZ .... CZECH
PO ...... POLISH
HU ...... HUNGARIAN

5.2 FINAL ASSEMBLY <M2>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MONITOR
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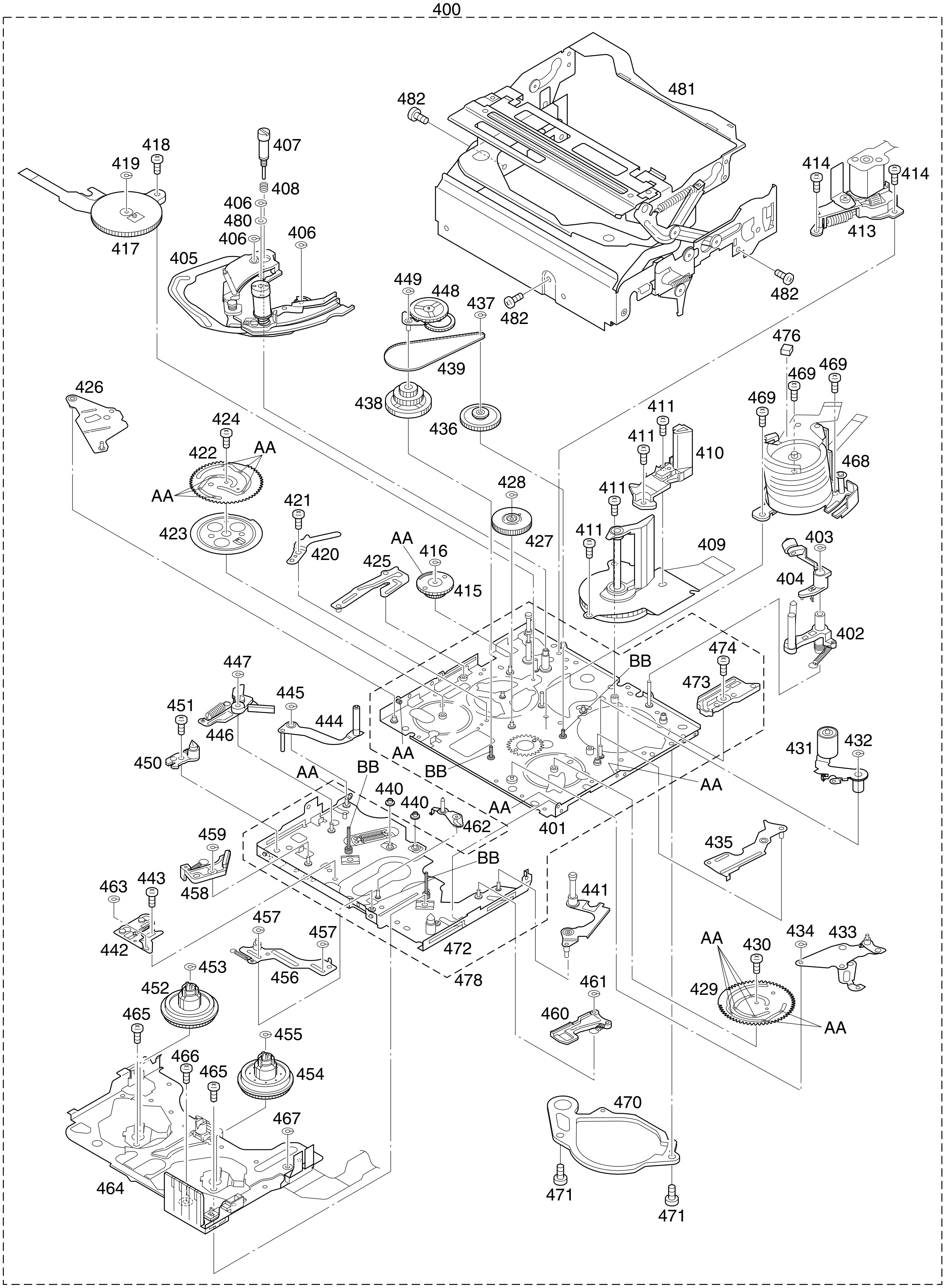
FINAL ASSEMBLY <M2>

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
	101	LY10287-002A	LOWER CASE,A,B
⚠		LY20727-001A	LOWER CASE ASSY,C,D,E
	102	LY30018-006B	SPECIAL SCREW,X4
	103	QYSPSPT1735R	SCREW,B
		QYSPSPT1740R	SCREW,A,C,D,E
	104	QYSPSPT1720R	SCREW
	105	QYSPSPT1735R	SCREW
	106	LY42911-001A	SHEET
	107	LY32141-001A	BASE(T.P.)
	108	LY42912-001A	BRACKET(BASE)1
	109	LY42291-001B	BRACKET(BASE)2
	110	QYSPSPT1740R	SCREW
	111	LY30018-063A	SPECIAL SCREW
	112	LY32149-001A	BRACKET(TOP)
	113	LY32133-002A	DECK OPE ASSY
	114	QYSPSPT1735R	SCREW,X2
	115	WJT0034-001A	E-CARD WIRE,AUDIO CN801-DECK OPE.
	116	LY30029-0E5A	SPACER(A)
	117	LY30018-020A	SPECIAL SCREW,X3
	118	LY30018-006B	SPECIAL SCREW
	119	LY31093-004A	MIC UNIT
	120	LY30018-060A	SPECIAL SCREW,X2
	121	LY32132-001A	GRIP BELT
	122	LY41588-001A	HOOK(OPE)
	123	LY30018-0B5A	SPECIAL SCREW,X2
	124	LY30016-040B	SPACER-A
	130	LY10288-001A	CASSETTE COVER,C,D,E
		LY10288-002A	CASSETTE COVER,A,B
	131	LY30018-006B	SPECIAL SCREW,X6
	132	LY30018-0B5A	SPECIAL SCREW
	133	LY32131-001B	COVER(SD),C,D,E
	134	LY42905-001B	WINDOW,C,D,E
	135	QYSPSPT1715R	SCREW,X2,C,D,E
	136	LY32189-001B	FPC ASSY(SD),C,D,E
	137	QYSPSPT1720R	SCREW,C,D,E
	138	QYSPSPT1720R	SCREW,X2
	139	QAL0304-002	FPC,JUNC CN601-MDA CN208
	140	LY20730-001A	CAMERA OPE UNIT
	141	QYSPSPT1750Z	SCREW
	142	LY30018-0C3A	SPECIAL SCREW
	143	LY43096-001A	SPACER(C.OPE)
	144	QAS0076-001	SPEAKER,TO JUNCTION PWB
	145	LY40301-001A	SPACER(SPK)
	146	LY32168-001A	HOLDER(SPK)
	147	LY30018-096A	SPECIAL SCREW,X2
	148	LY30029-086A	SPACER(A)
	149	LY30029-0H4B	SPACER(A)
	150	LY30018-070A	SPECIAL SCREW
	151	LY30016-0H5A	SPACER-A
	152	LY30018-070A	SPECIAL SCREW,X4
	153	LY30029-074A	SPACER(A)
	154	LY20736-002B	ARM ASSY,A,B
		LY20736-001C	ARM ASSY,C,D,E
	154A	LY31665-001A	PLATE(LOCK)
	154B	LY30001-023A	TENSION SPRING
	154C	LY30018-056A	SPECIAL SCREW,X2
	154D	LY42268-001A	SPACER(SPK)
	154E	LY32156-001A	BRACKET(HOOK)
	154F	LY31676-002A	KNOB(EJECT)
	154G	LY30018-015A	SPECIAL SCREW
	154H	LY32129-001A	BRACKET(HINGE),C,D,E
	154J	LY30001-024A	TENSION SPRING,C,D,E
	154K	LY42900-001A	KNOB,C,D,E
	154L	LY30002-051A	COMPRESSION SPRING,C,D,E
	154M	LY30019-028A	SPECIAL SCREW,C,D,E
	154N	LY42902-001A	PLATE(KNOB),C,D,E
	154P	LY32287-001A	BRACKET(CARD)
	155	LY30029-0J2C	SPACER(A)
	156	LY30029-0J3A	SPACER(A)
	165	LY40698-002A	LABEL(HOUSING)
	166	LY40699-002A	LABEL(PUSH)
	167	LY20732-001A	BRACKET(MECHA)
	168	LY30019-026A	SPECIAL SCREW,X2
	169	YQ43893-4	MINI SCREW
	171	LY31696-001A	SHIELD PLATE
	172	YQ43893-4	MINI SCREW
	173	QYSPSPT1735R	SCREW
	174	LY30018-070A	SPECIAL SCREW
	175	QYSPSPT1735R	SCREW
	176	QYSPSPT1735R	SCREW
	177	LY30018-060A	SPECIAL SCREW
	178	LY41430-005A	SPACER
	185	LY10289-001A	UPPER CASE
	186	LY42163-003A	SHEET(CAUTION)2
	187	LY41701-002A	SHEET(CAUTION)1
	189	LY42350-001A	FOOT,X2
	190	LY30029-091A	SPACER(A),X2
	191	LY42906-003A	PLATE,C,D,E
		LY42906-004A	PLATE,A,B
	192	LY43007-001A	LABEL(UPPER)
	193	LY41393-004A	COVER(JIG CONN)
	194	LY30018-070A	SPECIAL SCREW
	195	LY31102-001A	KNOB(LOCK)
	196	LY42406-002A	SHEET,A,B
	197	LY32170-001A	SUB OPE ASSY,C,D,E
	198	LY31682-001B	LOCK(MONITOR)
	199	LY30018-0B8A	SPECIAL SCREW
	200	LY32191-001A	FPC ASSY(J.BOX)
	201	LY30018-065A	SPECIAL SCREW,X3
	202	QYSPSPT1740R	SCREW,X2
	203	QYSPSPT1735R	SCREW
	204	LY30018-068A	SPECIAL SCREW
	205	LY30018-060A	SPECIAL SCREW
	206	LY30018-070A	SPECIAL SCREW
	207	QYSPSGT1780R	SCREW,X2
	208	QYSPSPT1735R	SCREW,X2
	209	LY41397-001A	PLATE(KNOB)
	210	LY42270-001A	BATTERY LOCK ASSY
	210A	LY30002-015A	COMPRESSION SPRING
	211	QYSPSPT1725Z	SCREW,X2
	212	LY30018-0B9A	SPECIAL SCREW
	213	LY31127-002A	DUMMY BATTERY
	214	LY30029-0H9A	SPACER(A)
	215	LY43130-002A	STICKER,E
		LY43130-003A	STICKER,C,D
		LY43130-006A	STICKER,A,B
	216	LY30029-0H7B	SPACER(A)
	217	LY41836-001A	SPACER
	218	LY30029-0K1A	SPACER(A),C,D,E
	220	LY20731-003B	FRONT COVER ASSY,C,D,E
		LY20731-004B	FRONT COVER ASSY,A,B
	220A	LY42276-001B	INDICATOR
	220B	LY42909-001A	WINDOW (IR)
	220C	LY42278-001A	WINDOW(STB),C,D,E
	220D	LY32135-001A	COVER (DV)
	220E	LY42286-001A	HINGE(AV)
	220F	LY32137-001A	COVER (FRONT)
	220G	QYSPSGT1735Z	SCREW,X3
	220H	LY32136-003A	COVER (AV),C,D,E
		LY32136-004A	COVER (AV),A,B
	221	QYSPSGT1740R	SCREW,B
		QYSPSGT1740Z	SCREW,A,C,D,E
	222	LY30018-0B8A	SPECIAL SCREW
	223	QYSPSPT1735R	SCREW,X2
	224	LY30019-022A	SPECIAL SCREW
	225	LY31691-001B	HOOK
	226	LY42910-001A	STUD(HOOK)
	227	LY32138-001A	HOOD ASSY
	228	LY32140-001A	BRACKET(OP)
	229	QYSPSGT1735Z	SCREW
	230	LY30018-070A	SPECIAL SCREW,X2
	231	QYSPSGT1735Z	SCREW,C,D,E
	232	LY30029-0H3A	SPACER(A),C,D,E

– OPTICAL BLOCK SECTION –

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
	251	J7A-243A	OPTICAL BLOCK ASSY
	251A	LY30723-001B	ZOOM MOTOR
	251B	LY30724-001B	FOCUS MOTOR
	251C	LY30727-002A	SCREW,X5
	251D	LY30727-001A	SCREW,X2
	251E	LY42936-001A	OPTICAL LPF
	251F	LY31639-001A	SPACER RUBBER
	251G	QYSPSGU1750Z	SCREW,X2
	251H	LY32196-001A	IRIS MOTOR
	251J	YS40168F	CCD BASE ASSY

5.3 MECHANISM ASSEMBLY <M3>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Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-P	AA
Oil	YTU94027	BB

NOTE: The section marked in **AA** and **BB** indicate lubrication and greasing areas.

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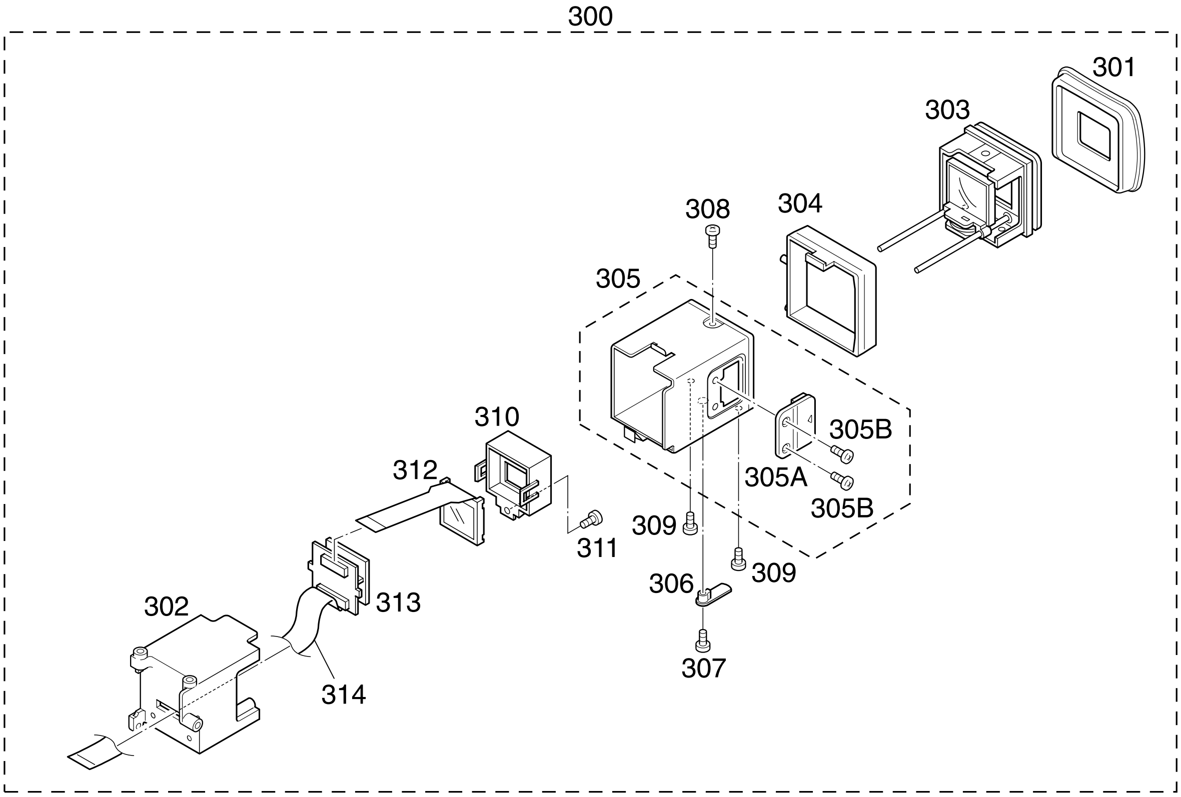
MECHANISM ASSEMBLY <M3>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
400	YMA0025H	MECHA(A)ASSY
401	LY10077-001M	MAIN DECK ASSY
402	LY30436-001G	SLANT POLE ARM ASSY
403	YQ44246	SLIT WASHER
404	LY30438-001B	CLEANER ARM ASSY
405	LY10080-001V	RAIL ASSY
406	YQ44246	SLIT WASHER,X3
407	LY40353-001D	GUIDE ROLLER(S)ASSY
408	LY30002-006C	COMPRESSION SPRING
409	QAR0026-002	CAPSTAN MOTOR
410	LY30504-001C	CATCHER(T)ASSY
411	YQ43893	MINI SCREW,X4
413	LY30448-001H	MOTOR BKT ASSY
414	YQ43893	MINI SCREW,X2
415	LY30449-001C	WORM WHEEL
416	YQ44246	SLIT WASHER
417	LY40496-001C	ROTARY ENCODER
418	YQ43893	MINI SCREW
419	YQ44246	SLIT WASHER
420	LY40614-001B	GEAR HOLDER
421	YQ43893-6	MINI SCREW
422	LY30450-001C	MAIN CAM
423	LY30840-001A	BRAKE CTL PLATE
424	YQ43893	MINI SCREW
425	LY40373-001C	TC LEVER ASSY
426	LY30452-001G	SLIDE LEVER ASSY
427	LY30454-001A	CONNECT GEAR
428	YQ44246	SLIT WASHER
429	LY30455-001B	SUB CAM
430	YQ43893	MINI SCREW
431	LY30456-001F	PINCHROLLER ARM ASSY
432	YQ44246	SLIT WASHER
433	LY30459-001A	CHARGE ARM ASSY
434	YQ44246	SLIT WASHER
435	LY40387-001D	BC LEVER ASSY
436	LY40389-001D	REEL DRIVE PULLEY ASSY
437	YQ44246-2	SLIT WASHER
438	LY40391-002B	CENTER GEAR ASSY
439	LY40396-001A	TIMING BELT
440	LY40413-001A	COLLAR,X2
441	LY30468-001E	GUIDE ARM ASSY
442	LY30618-001C	SLIDE GUIDE PLATE ASSY
443	YQ43893-2	MINI SCREW
444	LY40420-001J	TENSION ARM ASSY
445	YQ44246	SLIT WASHER
446	LY30471-001D	PAD ARM ASSY
447	YQ44246	SLIT WASHER
448	LY40432-001H	IDLER ARM ASSY
449	YQ44246-2	SLIT WASHER
450	LY30476-001A	GUIDE PIN(S)
451	YQ43893	MINI SCREW
452	LY40441-001B	REEL DISK(SUPPLY)ASSY
453	YQ44246	SLIT WASHER
454	LY40443-001B	REEL DISK(TAKE-UP)ASSY
455	YQ44246	SLIT WASHER
456	LY30477-001F	CTL PLATE ASSY
457	YQ44246	SLIT WASHER,X2
458	LY40444-001E	LOADING BRAKE ASSY
459	YQ44246	SLIT WASHER
460	LY40452-001C	SUB BRAKE ASSY
461	YQ44246	SLIT WASHER
462	LY30479-001E	RELEASE GUIDE ASSY
463	YQ44246	SLIT WASHER
464	LY20146-001H	REEL COVER ASSY
465	YQ43893-4	MINI SCREW,X2
466	YQ43893	MINI SCREW
467	YQ44246	SLIT WASHER
468	YDV2086K	DRUM ASSY
469	YQ43893	MINI SCREW,X3
470	LY20138-001D	PWB HOLDER
471	YQ43893	MINI SCREW,X2
472	LY10082-001L	SLIDE DECK ASSY
473	LY30462-001B	LOADING GUIDE
474	YQ43893	MINI SCREW
476	LY30016-0M1A	SPACER-A
478	LY30496-001W	DECK ASSY
480	LY41573-001A	WASHER
481	LY30483-001Q	CASSETTE HOUSING ASSY
482	YQ43893-4	MINI SCREW,X3

5.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4>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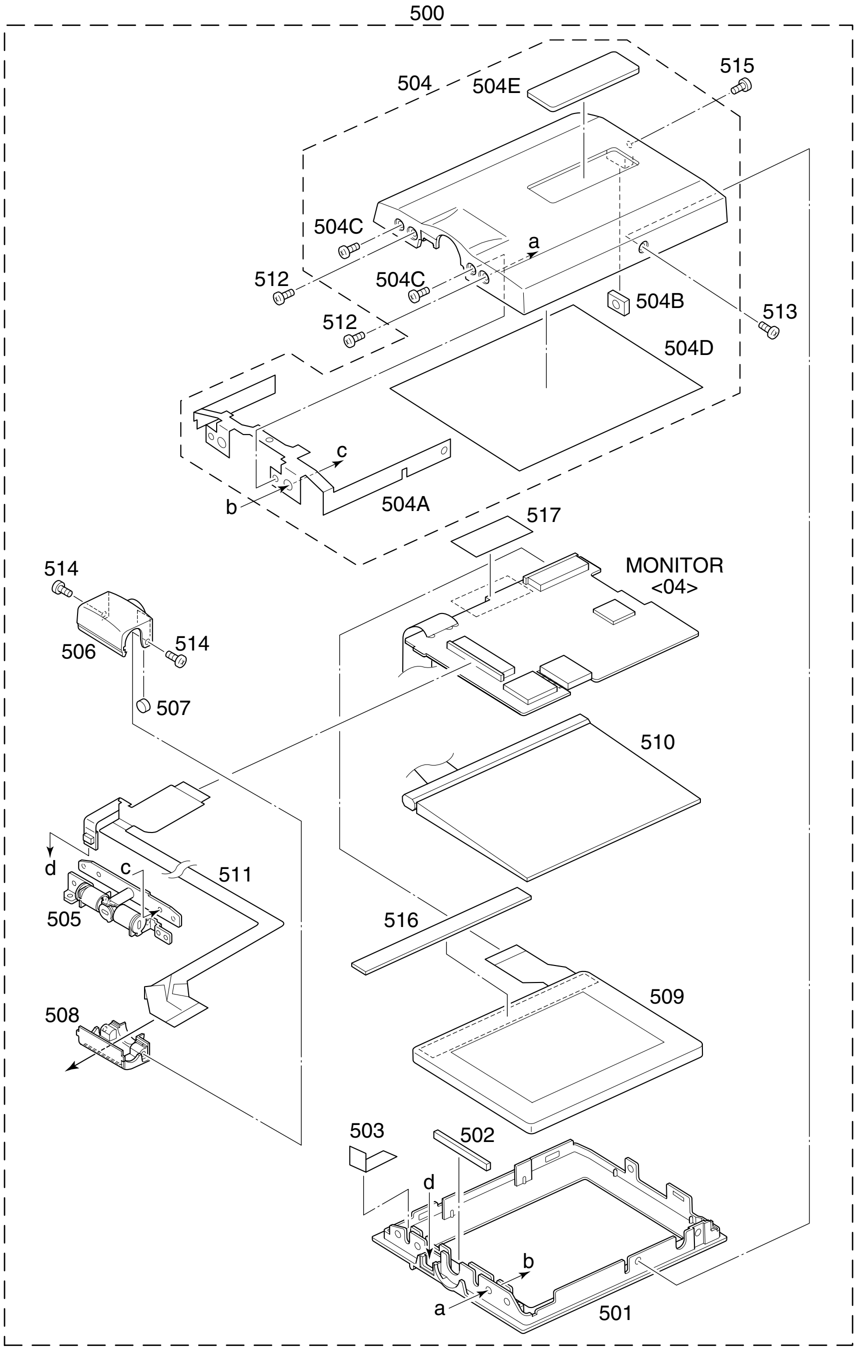
ELECTRONIC VIEWFINDER ASSEMBLY <M4>

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
	300	LY32148-001A	VF UNIT
	301	PTY32149-001	EYE CUP
	302	PTY32149-021	FRAME(VF)
	303	PTY32149-041	EYE PIECE SUB ASSY
	304	PTY32148-031	GUIDE(VF)
	305	PTY32148-011	CASE/CAP ASSY
	305A	PTY32149-012	CAP(VF)
	305B	LY30029-034A	SCREW,X2
	306	PTY31749-015	LEVER(VF)
	307	LY30018-037A	SCREW
	308	LY30018-019A	SCREW
	309	LY30018-055A	SCREW,X2
	310	PTY32149-051	HOLDER(LCD)
	311	PTY32149-081	SCREW
	312	QLD0117-001	LCD MODULE
	313	PTY32148-061	B/L SUB ASSY
	314	PTY32148-071	FFC

5.5 MONITOR ASSEMBLY <M5>


500
504
504E
515
504C
a
512
504C
504B
513
512
504D
c
b
504A
517
MONITOR
<04>
514
514
506
507
510
d
c
511
505
516
509
508
503
502
d
b
a
501

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MONITOR ASSEMBLY <M5>

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
⚠	500	LYH20260-003A	MONITOR ASSY,A,B
⚠		LYH20260-005A	MONITOR ASSY,C,D,E
	501	LY20584-004A	MONITOR CASE
	502	LY30029-046B	SPACER(A)
	503	LY30029-0G5A	SPACER(A)
⚠	504	LY20734-001A	MONITOR COVER ASSY,C,D,E
⚠		LY20734-002A	MONITOR COVER ASSY,A,B
	504A	LY31699-001A	BRACKET(MONITOR)
	504B	LY40162-001A	BKT
	504C	QYSPSPT1720R	SCREW,X2
	504D	LY30029-047A	SPACER(A)
	504E	LY42162-001A	MARK
	505	LY31701-001C	HINGE ASSY
	506	LY32147-001A	HINGE COVER(U)
	507	LY40663-002A	MAGNET
	508	LY32171-001A	HINGE COVER(L)
	509	QLD0138-001	LCD MODULE
	510	QLL0087-001	BACK LIGHT
	511	LY32190-001A	FPC ASSY(MONI)
	512	LY30018-0B1A	SPECIAL SCREW,X2
	513	QYSPSPT1730R	SCREW
	514	LY30018-060A	SPECIAL SCREW,X2
	515	QYSPSPT1735R	SCREW
	516	LY30029-076A	SPACER(A)
	517	LY30029-093A	SPACER(A)

5.6 ELECTRICAL PARTS LIST

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MAIN BOARD ASSEMBLY <01>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
PW	YB10318B-02	MAIN BOARD ASSY,A,B
	YB10319B-02	MAIN BOARD ASSY,C,D,E
IC1001	UPD703039F1-A09	IC,A,B
	UPD703039F1-A10	IC,C,D,E
	or UPD70F3040F1A09	IC,A,B
	or UPD70F3040F1A10	IC,C,D,E
IC1002	RS5C314	IC
IC1003	AT25160N-10SC-X	IC
	or NM25C160LZEM8	IC
	or X25170S8I-2.5-X	IC
IC1004	TC75S56FU	IC
IC1005	TC7S00FU	IC
	or SN74AHC1G00K	IC
IC1006	MB90097PFV142	IC(MICRO C ROM)
IC1007	TC74VHC08FT	IC(DIGITAL)
	or SN74LV08APW	IC
IC1009	IC-PST9323U-X	IC
IC1101	TA75W01FU	IC
IC1301	SN74LV08APW	IC,A,B
IC1302	MAX3221CAE	IC,A,B
IC1303	SN74LV02APW	IC
IC1401	YQ44887A	CSP IC ASSY,A
	YQ44888A	CSP IC ASSY,B,C,D,E
IC1402	TC7W66FU	IC(DIGITAL),A,B
IC1403	TC7W53FU	IC(DIGITAL)
	or SN74AHC2G53T	IC
IC1404	TC7W14FU	IC(DIGITAL)
	or SN74AHC2G14T	IC
IC3001	JCY0133	IC
IC3002	JCY0136	IC
IC3003	TLC2940IPW	IC
IC3004	SN74AHC1G04K	IC
IC3006	JCY0164	IC
IC3501	JCY0132	IC
IC3701	BA7665FS	IC,A,B
	MM1510XN	IC,C,D,E
IC3702	MM1510XN	IC,C,D,E
IC3703	MM1506XN	IC,C,D,E
IC4201	HD49326BF	IC
IC4202	MM1385HN	IC
IC4301	JCY0150	IC
IC4302	TMS4C2973-28-X	IC
IC4303	TMS4C2973-28-X	IC,C,D,E
IC5501	JCY0117	IC
IC6001	S-80842ANNP-W	IC
IC6002	S-817A33ANB-W	IC
IC6101	FA3698F	IC
IC6601	TC7W74FU	IC(DIGITAL),C,D,E
	or TC7WH74FU	IC(DIGITAL),C,D,E
IC8001	JCY0121-4	IC,C,D,E
IC8002	MSM56V16160D1LS	IC,C,D,E
IC8003	M32310D5WG	IC,C,D,E
IC8004	39VF800A7CEKA08	IC(MICRO C ROM),C,D,E
	or LE28DW8163T8A02	IC(MICRO C ROM),C,D,E
	or 39VF800A9CEKA08	IC(MICRO C ROM),C,D,E
IC8005	SN74AHC1G00K	IC,C,D,E
	or TC7S00FU	IC,C,D,E
IC8006	MM1385NN	IC,C,D,E
IC8007	MM1385EN	IC,C,D,E
IC8008	TC7WHU04FU	IC,C,D,E
IC8009	TC7WH74FK	IC,C,D,E
IC8010	TC7SH08FU	IC(DIGITAL),C,D,E
IC8011	TC7WH74FK	IC,C,D,E
IC8012	TC7WH32FK	IC,C,D,E
IC8101	TMS320DA050-G	IC,C,D,E
	or TMS320DA050	IC,C,D,E
IC8102	TC7MA2244FK	IC,C,D,E
IC8103	TC7S04FU	IC(DIGITAL),C,D,E
IC8401	ML60851CLB	IC,C,D,E
	or ML60851DLB	IC,C,D,E
IC8402	S-80842ANNP-W	IC,C,D,E
Q1001	DTC124EE	TRANSISTOR
	or UN9212J	TRANSISTOR
Q1002	2SC4617/QR/-X	TRANSISTOR
Q1003	DTC143EE	TRANSISTOR
	or RN1101	TRANSISTOR
	or UN921LJ	TRANSISTOR
Q1004	DTA114EE	TRANSISTOR
	or PDTA114EE	TRANSISTOR
	or RN2102	TRANSISTOR
	or UN9111J	TRANSISTOR
Q1005	DTC144EE	TRANSISTOR
	or UN9213J	TRANSISTOR
	or RN1104	TRANSISTOR
	or PDTC144EE	TRANSISTOR
Q1006	DTA114EE	TRANSISTOR
	or PDTA114EE	TRANSISTOR
	or RN2102	TRANSISTOR
	or UN9111J	TRANSISTOR
Q1007	DTC144EE	TRANSISTOR
	or UN9213J	TRANSISTOR
	or RN1104	TRANSISTOR
	or PDTC144EE	TRANSISTOR
Q1301	2SC4617/RS/-X	TRANSISTOR
Q1401	DTA114EE	TRANSISTOR
	or PDTA114EE	TRANSISTOR
	or RN2102	TRANSISTOR
	or UN9111J	TRANSISTOR
Q1402	UMC3N	TRANSISTOR
Q1403	UMC3N	TRANSISTOR
Q1404	DTC144EE	TRANSISTOR
	or PDTC144EE	TRANSISTOR
	or RN1104	TRANSISTOR
	or UN9213J	TRANSISTOR
Q3701	UMT2N	PAIR TRANSISTOR
Q3702	UMZ1N	PAIR TRANSISTOR,A,B
	2SA1774/RS/-X	TRANSISTOR,C,D,E
Q3703	UMZ1N	PAIR TRANSISTOR,C,D,E
	or PUMZ1	PAIR TRANSISTOR,C,D,E
Q4301	UMT2N	PAIR TRANSISTOR
Q4302	UMT2N	PAIR TRANSISTOR
Q6001	DTC144EE	TRANSISTOR
	or PDTC144EE	TRANSISTOR
	or RN1104	TRANSISTOR
	or UN9213J	TRANSISTOR
Q6002	2SK3019	MOS FET
Q6003	2SJ347	MOS FET
Q6004	2SB1121/TU/-X	TRANSISTOR
Q6201	NDS352AP	MOS FET
Q6202	2SA1577/QR/-X	TRANSISTOR
Q6203	SSM6J07FU	MOS FET
Q6204	CPH3304	MOS FET

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	Q6205	CPH3101	TRANSISTOR	
	Q6206	2SC4617/RS/-X	TRANSISTOR	
	Q6208	SSM6J07FU	MOS FET	
	Q6210	SSM6J07FU	MOS FET	
	Q6211	NDS352AP	MOS FET	
	Q6212	HN1C01FU/G/-X	PAIR TRANSISTOR	
		or PUMX1	PAIR TRANSISTOR	
	Q6213	2SA1577/RS/-X	TRANSISTOR	
	Q6214	DTC144EE	TRANSISTOR	
		or PDTC144EE	TRANSISTOR	
		or UN9213J	TRANSISTOR	
		or RN1104	TRANSISTOR	
	Q6215	HN1A01FU/G/-X	PAIR TRANSISTOR	
		or PUMT1	PAIR TRANSISTOR	
	Q6216	2SC4617/RS/-X	TRANSISTOR	
	Q6601	DTC144EE	TRANSISTOR,C,D,E	
		or PDTC144EE	TRANSISTOR,C,D,E	
		or UN9213J	TRANSISTOR,C,D,E	
		or RN1104	TRANSISTOR,C,D,E	
	Q6602	UMS1N	PAIR TRANSISTOR,C,D,E	
	Q6611	2SA1774/RS/-X	TRANSISTOR,C,D,E	
	Q6612	UMS1N	PAIR TRANSISTOR,C,D,E	
	Q6613	2SC4617/RS/-X	TRANSISTOR,C,D,E	
	Q6614	RN1702	TRANSISTOR,C,D,E	
	Q6615	UMC4N	TRANSISTOR,C,D,E	
	Q6701	TPC6102	MOS FET	
	Q7001	UMZ1N	PAIR TRANSISTOR	
		or PUMZ1	PAIR TRANSISTOR	
	Q8401	DTA114EE	TRANSISTOR,C,D,E	
		or PDTA114EE	TRANSISTOR,C,D,E	
		or UN9111J	TRANSISTOR,C,D,E	
		or RN2102	TRANSISTOR,C,D,E	
	D1001	DA221	DIODE	
	D1302	RB501V-40-X	SB DIODE	
	D2901	EMZ6.8N	ZENER DIODE	
	D2902	EMZ6.8N	ZENER DIODE,C,D,E	
	D2903	EMZ6.8N	ZENER DIODE	
	D2904	EMZ6.8N	ZENER DIODE,A,B	
	D2905	EMZ6.8N	ZENER DIODE	
	D3001	EC2C01C	VARI CAP DIODE	
	D3002	EC2C01C	VARI CAP DIODE	
	D3003	EC2C01C	VARI CAP DIODE	
	D3701	UMZ6.8EN	ZENER DIODE	
	D5501	1SS355	DIODE	
⚠	D6001	RB706D-40-X	SB DIODE	
	D6002	RB715F	SB DIODE	
	D6201	CRS06	SB DIODE	
	D6202	CRS06	SB DIODE	
	D6203	CRS06	SB DIODE	
	D6204	CRS06	SB DIODE	
	D6205	CRS06	SB DIODE	
	D6206	1SS383	SB DIODE	
	D6207	MA8091/L/-X	ZENER DIODE	
	D6701	CRS09	SB DIODE	
	D6702	CRS09	SB DIODE	
	D8001	RB751V-40-X	SB DIODE,C,D,E	
	D8401	RB751V-40-X	SB DIODE,C,D,E	
	R1001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1002	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
	R1003	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1005	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
	R1006	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1007	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
	R1009	NRSA6AJ-151W	MG RESISTOR	150Ω,1/16W
	R1010	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
	R1011	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1012	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1013	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1015	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
	R1017	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1018	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1019	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1020	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R1021	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R1022	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R1023	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1024	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
	R1025	NRSA6AJ-623W	MG RESISTOR	62kΩ,1/16W
	R1026	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1027	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1028	NRSA6AJ-185W	MG RESISTOR	1.8MΩ,1/16W
	R1029	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1030	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1031	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1032	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1033	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1034	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1035	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1036	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
	R1037	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1038	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
	R1039	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1040	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1041	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1042	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1043	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1044	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
	R1045	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
	R1046	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1047	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1048	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1049	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
	R1050	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
	R1051	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
	R1052	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
	R1053	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
	R1054	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1056	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1057	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1058	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1059	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1060	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1061	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1062	NRSA6AJ-102W	MG RESISTOR,C,D,E	1kΩ,1/16W
		NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1063	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
		NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
	R1064	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
		NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1065	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
		NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1066	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1067	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
	R1068	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R1069	NRSA6AJ-473W	MG RESISTOR,A,B	47kΩ,1/16W
R1070	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1071	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
R1072	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1073	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1074	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1075	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1076	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R1080	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1101	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R1102	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1104	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R1106	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R1107	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1108	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1109	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1302	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1306	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1401	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1402	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R1403	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R1408	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1409	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R1410	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R1411	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1412	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R1414	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R1415	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R1416	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R1417	NRSA6AJ-102W	MG RESISTOR,A,B	1kΩ,1/16W
R1418	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R1419	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R1420	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R1422	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1423	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1424	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1425	NRVA6AD-753W	CMF RESISTOR	75kΩ,1/16W
R1426	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
R1427	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1428	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R1429	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1430	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1432	NRSA6AJ-820W	MG RESISTOR	82Ω,1/16W
R1433	NRSA6AJ-102W	MG RESISTOR,A,B	1kΩ,1/16W
R1434	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
R1435	NRSA6AJ-102W	MG RESISTOR,A,B	1kΩ,1/16W
R1436	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
R1437	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
R1439	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1440	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1441	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1442	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R1443	NRSA6AJ-102W	MG RESISTOR,C,D,E	1kΩ,1/16W
R1444	NRSA6AJ-102W	MG RESISTOR,C,D,E	1kΩ,1/16W
R1445	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3007	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W
R3008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3010	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3011	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3013	NRSA6AJ-242W	MG RESISTOR	2.4kΩ,1/16W
R3014	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R3015	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R3016	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3017	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3018	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3019	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3020	NRSA6AD-512W	MG RESISTOR	5.1kΩ,1/16W
R3021	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R3022	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R3023	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R3024	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3029	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3030	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3031	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3033	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3034	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3041	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3042	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3043	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3044	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R3046	NRSA6AD-222W	MG RESISTOR	2.2kΩ,1/16W
R3050	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3052	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3053	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3054	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3058	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3501	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R3502	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R3503	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3504	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3505	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3506	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3507	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3508	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R3521	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3522	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3701	NRSA6AD-241W	MG RESISTOR,A,B	240Ω,1/16W
	NRSA6AD-121W	MG RESISTOR,C,D,E	120Ω,1/16W
R3702	NRSA6AD-241W	MG RESISTOR,A,B	240Ω,1/16W
	NRSA6AD-121W	MG RESISTOR,C,D,E	120Ω,1/16W
R3703	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3704	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R3705	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R3706	NRSA6AD-221W	MG RESISTOR,A,B	220Ω,1/16W
	NRSA6AD-111W	MG RESISTOR,C,D,E	110Ω,1/16W
R3707	NRSA6AD-221W	MG RESISTOR,A,B	220Ω,1/16W
	NRSA6AD-111W	MG RESISTOR,C,D,E	110Ω,1/16W
R3708	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3709	NRSA6AD-102W	MG RESISTOR,C,D,E	1kΩ,1/16W
R3710	NRSA6AD-102W	MG RESISTOR,C,D,E	1kΩ,1/16W
R3711	NRSA6AJ-222W	MG RESISTOR,C,D,E	2.2kΩ,1/16W
R3712	NRSA6AD-680W	MG RESISTOR,A,B	68Ω,1/16W
R3713	NRSA6AD-680W	MG RESISTOR	68Ω,1/16W
R3714	NRSA6AD-680W	MG RESISTOR,C,D,E	68Ω,1/16W
	NRSA6AJ-123W	MG RESISTOR,A,B	12kΩ,1/16W
R3715	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3716	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R3717	NRSA6AJ-105W	MG RESISTOR,C,D,E	1MΩ,1/16W
	NRSA6AJ-561W	MG RESISTOR,A,B	560Ω,1/16W
R3718	NRSA6AJ-561W	MG RESISTOR,A,B	560Ω,1/16W
	NRSA6AJ-823W	MG RESISTOR,C,D,E	82kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R3719	NRSA6AJ-103W	MG RESISTOR,A,B	10kΩ,1/16W
	NRSA6AJ-104W	MG RESISTOR,C,D,E	100kΩ,1/16W
R3720	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R3723	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3724	NRSA6AJ-392W	MG RESISTOR,A,B	3.9kΩ,1/16W
	NRSA6AJ-152W	MG RESISTOR,C,D,E	1.5kΩ,1/16W
R3725	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
R3726	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
R4202	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4203	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4204	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4205	NRSA6AJ-243W	MG RESISTOR	24kΩ,1/16W
R4206	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4207	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4208	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4301	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4302	NRSA6AJ-100W	MG RESISTOR,C,D,E	10Ω,1/16W
R4304	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4305	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4307	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
R4308	NRVA6AD-682W	CMF RESISTOR	6.8kΩ,1/16W
R4309	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4311	NRVA6AD-272W	CMF RESISTOR	2.7kΩ,1/16W
R4312	NRVA6AD-272W	CMF RESISTOR,A,B	2.7kΩ,1/16W
	NRVA6AD-132W	CMF RESISTOR,C,D,E	1.3kΩ,1/16W
R4313	NRVA6AD-272W	CMF RESISTOR,A,B	2.7kΩ,1/16W
	NRVA6AD-132W	CMF RESISTOR,C,D,E	1.3kΩ,1/16W
R4314	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R4315	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
R4316	NRVA6AD-111W	CMF RESISTOR	110Ω,1/16W
R4317	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4318	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R4319	NRVA6AD-111W	CMF RESISTOR	110Ω,1/16W
R4320	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4321	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R4322	NRVA6AD-111W	CMF RESISTOR	110Ω,1/16W
R4323	NRVA6AD-101W	CMF RESISTOR	100Ω,1/16W
R4324	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R4326	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4327	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R4328	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4329	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4333	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4336	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4337	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R4338	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4339	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4340	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4341	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4343	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4344	NRSA6AJ-220W	MG RESISTOR,C,D,E	22Ω,1/16W
	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
R4346	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R4347	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R4348	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R4349	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R4350	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R4351	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R5501	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R5503	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R5504	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R5505	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R5506	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R5507	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R5509	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
R5510	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
R5511	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
R5512	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R5513	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R5514	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R6001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R6002	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R6003	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R6004	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R6005	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
⚠ R6008	NRSA63J-471X	MG RESISTOR	470Ω,1/16W
⚠ R6009	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R6010	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R6011	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R6012	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
R6013	NRVA6AD-683W	CMF RESISTOR	68kΩ,1/16W
R6014	NRSA63J-0R0X	MG RESISTOR,C,D,E	0Ω,1/16W
R6015	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
R6016	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
R6101	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
R6102	NRVA6AD-471W	CMF RESISTOR	470Ω,1/16W
R6103	NRVA6AD-622W	CMF RESISTOR	6.2kΩ,1/16W
R6106	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R6107	NRVA6AD-562W	CMF RESISTOR	5.6kΩ,1/16W
R6108	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R6110	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R6112	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R6113	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R6114	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
R6115	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
R6116	NRVA6AD-153W	CMF RESISTOR	15kΩ,1/16W
R6117	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R6118	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R6124	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R6201	NRVA6AD-243W	CMF RESISTOR	24kΩ,1/16W
R6203	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R6204	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R6205	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R6206	NRVA6AD-183W	CMF RESISTOR	18kΩ,1/16W
R6207	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R6208	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R6209	NRVA6AD-153W	CMF RESISTOR	15kΩ,1/16W
R6210	NRVA6AD-183W	CMF RESISTOR	18kΩ,1/16W
R6212	NRVA6AD-472W	CMF RESISTOR	4.7kΩ,1/16W
R6213	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R6214	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R6215	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R6219	NRVA6AD-243W	CMF RESISTOR	24kΩ,1/16W
R6220	NRVA6AD-302W	CMF RESISTOR	3kΩ,1/16W
R6221	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
R6223	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R6224	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
R6225	NRVA6AD-562W	CMF RESISTOR	5.6kΩ,1/16W
R6226	NRVA6AD-223W	CMF RESISTOR	22kΩ,1/16W
R6227	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
R6228	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
R6229	NRVA6AD-332W	CMF RESISTOR	3.3kΩ,1/16W
R6230	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
R6231	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
R6232	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
R6233	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R6234	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
R6235	NRVA6AD-683W	CMF RESISTOR	68kΩ,1/16W
R6236	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
R6237	NRVA6AD-753W	CMF RESISTOR	75kΩ,1/16W
R6238	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
R6239	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R6240	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R6241	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R6242	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R6243	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
R6247	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R6249	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R6251	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R6253	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R6255	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R6257	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R6601	NRSA6AJ-822W	MG RESISTOR,C,D,E	8.2kΩ,1/16W
R6603	NRVA6AD-683W	CMF RESISTOR,C,D,E	68kΩ,1/16W
R6604	NRVA6AD-104W	CMF RESISTOR,C,D,E	100kΩ,1/16W
R6605	NRSA6AJ-184W	MG RESISTOR,C,D,E	180kΩ,1/16W
R6606	NRSA6AJ-823W	MG RESISTOR,C,D,E	82kΩ,1/16W
R6611	NRSA6AJ-335W	MG RESISTOR,C,D,E	3.3MΩ,1/16W
R6612	NRSA6AJ-474W	MG RESISTOR,C,D,E	470kΩ,1/16W
R6613	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R6614	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R6615	NRSA6AJ-474W	MG RESISTOR,C,D,E	470kΩ,1/16W
R6616	NRSA6AJ-273W	MG RESISTOR,C,D,E	27kΩ,1/16W
R6617	NRSA6AJ-333W	MG RESISTOR,C,D,E	33kΩ,1/16W
R6701	NRZ0058-R20X	MG RESISTOR	0.2Ω,1/2W
R6702	NRVA6AD-104W	CMF RESISTOR	100kΩ,1/16W
R6703	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R6712	NRVA6AD-823W	CMF RESISTOR	82kΩ,1/16W
R6713	NRVA6AD-333W	CMF RESISTOR	33kΩ,1/16W
R7001	NRSA6AD-183W	MG RESISTOR	18kΩ,1/16W
R7002	NRSA6AD-334W	MG RESISTOR	330kΩ,1/16W
R7003	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R7004	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
R8002	NRSA6AJ-100W	MG RESISTOR,C,D,E	10Ω,1/16W
R8004	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8007	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R8008	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8011	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8014	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8015	NRVA6AD-133W	CMF RESISTOR,C,D,E	13kΩ,1/16W
R8016	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8022	NRSA6AJ-101W	MG RESISTOR,C,D,E	100Ω,1/16W
R8023	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R8024	NRSA6AJ-101W	MG RESISTOR,C,D,E	100Ω,1/16W
R8027	NRSA6AJ-104W	MG RESISTOR,C,D,E	100kΩ,1/16W
R8028	NRSA6AJ-104W	MG RESISTOR,C,D,E	100kΩ,1/16W
R8029	NRSA6AJ-104W	MG RESISTOR,C,D,E	100kΩ,1/16W
R8033	NRSA6AJ-104W	MG RESISTOR,C,D,E	100kΩ,1/16W
R8034	NRSA6AJ-101W	MG RESISTOR,C,D,E	100Ω,1/16W
R8035	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R8036	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8038	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8039	NRSA6AJ-101W	MG RESISTOR,C,D,E	100Ω,1/16W
R8040	NRSA6AJ-105W	MG RESISTOR,C,D,E	1MΩ,1/16W
R8046	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R8047	NRSA6AJ-101W	MG RESISTOR,C,D,E	100Ω,1/16W
R8051	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8056	NRSA6AJ-101W	MG RESISTOR,C,D,E	100Ω,1/16W
R8057	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R8058	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R8059	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8075	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8076	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8077	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8080	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R8101	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8104	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8105	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8106	NRSA6AJ-221W	MG RESISTOR,C,D,E	220Ω,1/16W
R8107	NRSA6AJ-221W	MG RESISTOR,C,D,E	220Ω,1/16W
R8108	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8110	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8115	NRSA6AJ-221W	MG RESISTOR,C,D,E	220Ω,1/16W
R8116	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8117	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8118	NRSA6AJ-221W	MG RESISTOR,C,D,E	220Ω,1/16W
R8119	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R8120	NRSA6AJ-221W	MG RESISTOR,C,D,E	220Ω,1/16W
R8122	NRSA6AJ-105W	MG RESISTOR,C,D,E	1MΩ,1/16W
R8124	NRSA6AJ-472W	MG RESISTOR,C,D,E	4.7kΩ,1/16W
R8128	NRSA6AJ-472W	MG RESISTOR,C,D,E	4.7kΩ,1/16W
R8129	NRSA6AJ-105W	MG RESISTOR,C,D,E	1MΩ,1/16W
R8130	NRSA6AJ-101W	MG RESISTOR,C,D,E	100Ω,1/16W
R8131	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8132	NRSA6AJ-680W	MG RESISTOR,C,D,E	68Ω,1/16W
R8133	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8134	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R8401	NRSA6AJ-105W	MG RESISTOR,C,D,E	1MΩ,1/16W
R8402	NRS181J-220X	MG RESISTOR,C,D,E	22Ω,1/8W
R8403	NRS181J-220X	MG RESISTOR,C,D,E	22Ω,1/8W
R8404	NRSA6AJ-152W	MG RESISTOR,C,D,E	1.5kΩ,1/16W
R8405	NRSA6AJ-105W	MG RESISTOR,C,D,E	1MΩ,1/16W
R8406	NRSA6AJ-153W	MG RESISTOR,C,D,E	15kΩ,1/16W
R8407	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
RA1001	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1002	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1003	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1004	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1005	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1006	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1007	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA1008	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1009	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1010	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1401	NRZ0034-473W	NETWORK RESISTOR	47kΩ
RA1402	NRZ0034-102W	NETWORK RESISTOR,A,B	1kΩ
RA1403	NRZ0034-102W	NETWORK RESISTOR	1kΩ
RA4301	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA4302	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA4303	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA4304	NRZ0034-101W	NETWORK RESISTOR,C,D,E	100Ω
RA4305	NRZ0034-101W	NETWORK RESISTOR,C,D,E	100Ω
RA4306	NRZ0034-101W	NETWORK RESISTOR,C,D,E	100Ω
RA4307	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA4308	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA4309	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA4310	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA8001	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA8002	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA8003	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA8004	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA8401	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
RA8402	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA8403	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
RA8404	NRZ0034-100W	NETWORK RESISTOR,C,D,E	10Ω
C1001	NBE40JM-226X	T CAPACITOR	22μF,6.3V
C1002	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1003	NBE40JM-226X	T CAPACITOR	22μF,6.3V
C1004	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1005	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1006	NDCA1HJ-130W	CAPACITOR	13pF,50V
C1007	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1008	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1009	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1010	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1011	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1012	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1013	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1014	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1015	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1016	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1017	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1018	NCFA1HZ-103W	CAPACITOR,C,D,E	0.01μF,50V
C1019	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1023	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1026	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1027	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1028	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1029	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1030	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1031	NCF31AZ-105X	CAPACITOR	1μF,10V
C1034	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1035	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1036	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1037	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1038	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1039	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1040	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C1101	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1102	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1103	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1111	NCB30JK-105X	CAPACITOR	1μF,6.3V
C1112	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1113	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1301	NCBA1AK-104W	CAPACITOR,A,B	0.1μF,10V
C1302	NCBA1AK-104W	CAPACITOR,A,B	0.1μF,10V
C1303	NCBA1AK-104W	CAPACITOR,A,B	0.1μF,10V
C1304	NCBA1AK-104W	CAPACITOR,A,B	0.1μF,10V
C1305	NCBA1AK-104W	CAPACITOR,A,B	0.1μF,10V
C1306	NCBA1AK-104W	CAPACITOR,A,B	0.1μF,10V
C1307	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1401	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1402	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1405	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1406	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1408	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1409	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1410	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1411	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1412	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1413	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C1414	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1415	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1416	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1417	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1418	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1419	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1420	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C3001	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C3003	NCB21CK-105X	CAPACITOR	1μF,16V
C3004	NCB21CK-105X	CAPACITOR	1μF,16V
C3005	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C3007	NCB11CK-105X	CAPACITOR	1μF,16V
C3008	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C3011	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3012	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3013	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3015	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3016	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3017	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3020	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3021	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3022	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3023	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3024	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3025	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3026	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3027	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
C3028	NDCA1EJ-271W	CAPACITOR	270pF,25V
C3029	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3030	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3031	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3032	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3033	NDCA1HJ-470W	CAPACITOR	47pF,50V
C3034	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3035	NDCA1HJ-330W	CAPACITOR,C,D,E	33pF,50V
	NDCA1HJ-270W	CAPACITOR,A,B	27pF,50V
C3038	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3039	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3040	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3041	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3042	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3043	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3044	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3045	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3046	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3047	NCBA1AK-104W	CAPACITOR,A,B	0.1μF,10V
C3050	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3051	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3052	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3053	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3056	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3057	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3058	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3060	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3061	NCB21CK-105X	CAPACITOR	1μF,16V
C3062	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3063	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3501	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C3502	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C3503	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C3504	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3505	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C3506	NCB21CK-105X	CAPACITOR	1μF,16V
C3507	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3508	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3509	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3510	NCBA1AK-104W	CAPACITOR	0.1μF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C3511	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3512	NCB31CK-104X	CAPACITOR	0.1µF,16V
C3513	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3514	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C3515	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C3516	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C3517	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3518	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3519	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C3520	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3521	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3522	NCB20JM-475X	CAPACITOR	4.7µF,6.3V
C3523	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3524	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3525	NCB20JM-475X	CAPACITOR	4.7µF,6.3V
C3526	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3527	NDCA1EJ-221W	CAPACITOR	220pF,25V
C3701	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C3702	NDCA1EJ-271W	CAPACITOR,C,D,E	270pF,25V
	NDCA1HJ-151W	CAPACITOR,A,B	150pF,50V
C3703	NDCA1HJ-330W	CAPACITOR,A,B	33pF,50V
	NDCA1HJ-680W	CAPACITOR,C,D,E	68pF,50V
C3704	NDCA1HJ-101W	CAPACITOR,A,B	100pF,50V
	NDCA1HJ-181W	CAPACITOR,C,D,E	180pF,50V
C3705	NDCA1HJ-330W	CAPACITOR,A,B	33pF,50V
	NDCA1HJ-680W	CAPACITOR,C,D,E	68pF,50V
C3706	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3707	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C3708	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3709	NCBA1CK-103W	CAPACITOR,A,B	0.01µF,16V
C3710	NCBA1CK-103W	CAPACITOR,A,B	0.01µF,16V
	NCB30JK-105X	CAPACITOR,C,D,E	1µF,6.3V
C3711	NBE20GM-226X	T CAPACITOR,A,B	22µF,4.0V
	NBE80JM-106X	T CAPACITOR,C,D,E	10µF,6.3V
C3712	NBE40GM-107X	T CAPACITOR	100µF,4.0V
C3713	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C3714	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C4201	NBE40GM-107X	T CAPACITOR	100µF,4.0V
C4202	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4203	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4204	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4205	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4206	NCB21CK-105X	CAPACITOR	1µF,16V
C4207	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4208	NCBA1HK-392W	CAPACITOR	0.0039µF,50V
C4209	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4210	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4211	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4212	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4213	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4214	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4215	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4216	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4301	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4303	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4304	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4305	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C4306	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4307	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C4308	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4309	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4310	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C4311	NCB30JK-105X	CAPACITOR	1µF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C4312	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4313	NBE20JM-226X	T CAPACITOR	22µF,6.3V
C4314	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4315	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C4317	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4318	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4319	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4320	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4321	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4323	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4324	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C4325	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4327	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4328	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4329	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4330	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4331	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C4332	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4333	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4334	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4335	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4336	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4337	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4338	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4339	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4340	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4341	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4342	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4343	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4344	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4345	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4346	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4347	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4348	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4349	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4350	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5501	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5503	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5504	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5505	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5506	NBE40GM-476X	T CAPACITOR	47µF,4.0V
C5507	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5508	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5509	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5510	NBP21VM-105X	T CAPACITOR	1µF,35V
C5511	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C5512	NBE21AM-106X	T CAPACITOR	10µF,10V
C5513	NCB31CK-104X	CAPACITOR	0.1µF,16V
C5514	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5515	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5516	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5517	NCB31CK-104X	CAPACITOR	0.1µF,16V
C5518	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5519	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6001	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6002	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C6003	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C6004	NCB21CK-105X	CAPACITOR	1µF,16V
C6005	NDCA1HJ-101W	CAPACITOR	100pF,50V
C6101	NCB21CK-105X	CAPACITOR	1µF,16V
C6102	NBP41CM-106X	T CAPACITOR	10µF,16V
C6103	NCB21CK-105X	CAPACITOR	1µF,16V
C6105	NCB21CK-105X	CAPACITOR	1µF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C6106	NCB21CK-105X	CAPACITOR	1µF,16V
C6107	NCB21CK-105X	CAPACITOR	1µF,16V
C6108	NCB21CK-105X	CAPACITOR	1µF,16V
C6109	NCB21CK-105X	CAPACITOR	1µF,16V
C6110	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6111	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6112	NCBA1AK-333W	CAPACITOR	0.033µF,10V
C6113	NCBA1HK-561W	CAPACITOR	560pF,50V
C6114	NCBA1HK-272W	CAPACITOR	0.0027µF,50V
C6115	NCBA1HK-561W	CAPACITOR	560pF,50V
C6116	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6117	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6118	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6119	NDCA1HJ-101W	CAPACITOR	100pF,50V
C6120	NCB11CK-105X	CAPACITOR	1µF,16V
C6121	NCB31CK-104X	CAPACITOR	0.1µF,16V
C6122	NCBA1AK-333W	CAPACITOR	0.033µF,10V
C6123	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6124	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6125	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6126	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6127	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6128	NCB21CK-105X	CAPACITOR	1µF,16V
C6129	NCBA1HK-561W	CAPACITOR	560pF,50V
C6130	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6132	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6134	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6201	NCB21CK-105X	CAPACITOR	1µF,16V
C6202	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6203	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6204	NCBA1HK-561W	CAPACITOR	560pF,50V
C6205	NCB21CK-105X	CAPACITOR	1µF,16V
C6206	NCB21CK-105X	CAPACITOR	1µF,16V
C6207	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6208	NCBA1EK-472W	CAPACITOR	0.0047µF,25V
C6209	NCB21CK-105X	CAPACITOR	1µF,16V
C6210	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6211	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6214	NCB21CK-105X	CAPACITOR	1µF,16V
C6215	NCB21CK-105X	CAPACITOR	1µF,16V
C6216	NCBA1AK-683W	CAPACITOR	0.068µF,10V
C6217	NCB21CK-105X	CAPACITOR	1µF,16V
C6218	NCB21CK-105X	CAPACITOR	1µF,16V
C6219	NCB21CK-224X	CAPACITOR	0.22µF,16V
C6220	NCB21CK-105X	CAPACITOR	1µF,16V
C6221	NCB11EK-105X	CAPACITOR	1µF,25V
C6222	NCB11EK-105X	CAPACITOR	1µF,25V
C6224	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6225	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6226	NCB21CK-105X	CAPACITOR	1µF,16V
C6227	NCB11EK-105X	CAPACITOR	1µF,25V
C6228	NCB11EK-105X	CAPACITOR	1µF,25V
C6230	NCB21CK-105X	CAPACITOR	1µF,16V
C6601	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C6602	NCB21CK-105X	CAPACITOR,C,D,E	1µF,16V
C6603	NCBA1HK-102W	CAPACITOR,C,D,E	0.001µF,50V
C6604	NCBA1AK-473W	CAPACITOR,C,D,E	0.047µF,10V
C6611	NCBA1CK-223W	CAPACITOR,C,D,E	0.022µF,16V
C6612	NDCA1EJ-221W	CAPACITOR,C,D,E	220pF,25V
C6613	NDCA1EJ-121W	CAPACITOR,C,D,E	120pF,25V
C6701	NCB21CK-105X	CAPACITOR	1µF,16V
C6703	NCB11CK-105X	CAPACITOR	1µF,16V
C7001	NCBA1AK-104W	CAPACITOR	0.1µF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C7002	NCB21CK-105X	CAPACITOR	1µF,16V
C7003	NCB21AK-225X	CAPACITOR	2.2µF,10V
C7004	NBE81AM-106X	T CAPACITOR,C,D,E	10µF,10V
	NBE21AM-106X	T CAPACITOR,A,B	10µF,10V
C8001	NBE90JM-106X	T CAPACITOR,C,D,E	10µF,6.3V
C8002	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8003	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8004	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8005	NCBA1AK-104W	CAPACITOR,C,D,E	0.1µF,10V
C8006	NCBA1AK-104W	CAPACITOR,C,D,E	0.1µF,10V
C8007	NBE20JM-106X	T CAPACITOR,C,D,E	10µF,6.3V
C8008	NCB30JK-105X	CAPACITOR,C,D,E	1µF,6.3V
C8009	NCBA1AK-104W	CAPACITOR,C,D,E	0.1µF,10V
C8010	NBE20JM-106X	T CAPACITOR,C,D,E	10µF,6.3V
C8011	NCB30JK-105X	CAPACITOR,C,D,E	1µF,6.3V
C8014	NCB30JK-105X	CAPACITOR,C,D,E	1µF,6.3V
C8015	NCBA1AK-104W	CAPACITOR,C,D,E	0.1µF,10V
C8017	NCBA1AK-104W	CAPACITOR,C,D,E	0.1µF,10V
C8020	NBE20JM-106X	T CAPACITOR,C,D,E	10µF,6.3V
C8021	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8022	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8023	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8024	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8025	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8026	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8027	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8028	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8029	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8030	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8031	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8032	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8033	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8034	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8035	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8036	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8037	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8038	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8039	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8040	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8041	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8042	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8043	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8044	NBE20JM-226X	T CAPACITOR,C,D,E	22µF,6.3V
C8045	NBE20JM-226X	T CAPACITOR,C,D,E	22µF,6.3V
C8046	NBE20JM-106X	T CAPACITOR,C,D,E	10µF,6.3V
C8048	NBE20JM-226X	T CAPACITOR,C,D,E	22µF,6.3V
C8049	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8050	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8051	NBE20JM-226X	T CAPACITOR,C,D,E	22µF,6.3V
C8052	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8054	NCB31HK-392X	CAPACITOR,C,D,E	0.0039µF,50V
C8056	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8057	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8058	NCBA1AK-104W	CAPACITOR,C,D,E	0.1µF,10V
C8059	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8060	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8063	NBE20JM-226X	T CAPACITOR,C,D,E	22µF,6.3V
C8064	NBE20JM-226X	T CAPACITOR,C,D,E	22µF,6.3V
C8065	NBE20JM-226X	T CAPACITOR,C,D,E	22µF,6.3V
C8101	NBE20JM-106X	T CAPACITOR,C,D,E	10µF,6.3V
C8102	NBE20JM-106X	T CAPACITOR,C,D,E	10µF,6.3V
C8103	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V
C8104	NCBA1CK-103W	CAPACITOR,C,D,E	0.01µF,16V

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	C8105	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8106	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8107	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8108	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8109	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8110	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8111	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8112	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8113	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8114	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8115	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8116	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8117	NDCA1HJ-5R0W	CAPACITOR,C,D,E	5pF,50V
	C8118	NDCA1HJ-5R0W	CAPACITOR,C,D,E	5pF,50V
	C8119	NCBA1CK-103W	CAPACITOR,C,D,E	0.01μF,16V
	C8401	NBE20JM-106X	T CAPACITOR,C,D,E	10μF,6.3V
	C8402	NCBA1AK-104W	CAPACITOR,C,D,E	0.1μF,10V
	C8403	NCBA1AK-104W	CAPACITOR,C,D,E	0.1μF,10V
	C8404	NCBA1AK-104W	CAPACITOR,C,D,E	0.1μF,10V
	C8405	NBE20JM-106X	T CAPACITOR,C,D,E	10μF,6.3V
	L1001	NQL315K-100X	COIL	10μH
	L1002	NQL315K-100X	COIL	10μH
	L1101	NQL402M-100X	COIL	10μH
	L1401	NQR0006-001X	FERRITE BEAD	
	L1402	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
	L3001	NQR0006-001X	FERRITE BEAD	
	L3002	NQR0129-002X	FERRITE BEAD	
	L3003	NQR0129-002X	FERRITE BEAD	
	L3004	NQR0006-001X	FERRITE BEAD	
	L3005	NQR0129-002X	FERRITE BEAD	
	L3006	NQR0006-001X	FERRITE BEAD	
	L3007	NQL085J-2R2X	COIL	2.2μH
	L3008	NQL085J-120X	COIL	12μH
	L3009	NQL085J-120X	COIL	12μH
	L3010	NQR0384-003X	COIL,A,B	
	L3011	NQR0384-003X	COIL,A,B	
	L3012	NQR0006-001X	FERRITE BEAD	
	L3013	NQR0006-001X	FERRITE BEAD	
	L3501	NQR0129-002X	FERRITE BEAD	
	L3502	NQL302N-100X	COIL,A,B	10μH
		NQL402M-100X	COIL,C,D,E	10μH
	L3503	NQR0006-001X	FERRITE BEAD	
	L3504	NQR0006-001X	FERRITE BEAD	
	L3505	NQR0006-001X	FERRITE BEAD	
	L3701	NQL315K-100X	COIL,A,B	10μH
		NQL38DK-100X	COIL,C,D,E	10μH
	L4201	NQR0129-002X	FERRITE BEAD	
	L4301	NQR0129-002X	FERRITE BEAD	
	L4302	NQR0129-002X	FERRITE BEAD	
	L4303	NQL315K-100X	COIL	10μH
	L4304	NQL315K-220X	COIL	22μH
	L4305	NQR0129-002X	FERRITE BEAD	
	L4306	NQR0129-002X	FERRITE BEAD	
	L4307	NQL315K-100X	COIL	10μH
	L5501	NQL315K-100X	COIL	10μH
	L5502	NQR0129-002X	FERRITE BEAD	
	L5503	NQR0129-002X	FERRITE BEAD	
	L5504	NQR0129-002X	FERRITE BEAD	
	L5505	NQL315K-100X	COIL	10μH
	L5506	NQL315K-100X	COIL	10μH
	L6101	NQLZ011-4R7X	COIL	4.7μH
	L6102	NQLZ011-4R7X	COIL	4.7μH
	L6201	NQLZ011-390X	COIL	39μH

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	L6202	NQLZ011-390X	COIL	39μH
	L6203	NQLZ011-390X	COIL	39μH
	L6204	NQL144K-220X	COIL,C,D,E	22μH
		NRSA02J-0R0X	MG RESISTOR,A,B	0Ω,1/10W
	L6206	NQLZ011-470X	COIL	47μH
	L6207	NQLZ011-470X	COIL	47μH
	L6208	NQLZ011-221X	COIL	220μH
	L6209	NQL144K-221X	COIL	220μH
	L6210	NQL144K-220X	COIL	22μH
	L6601	NQR0006-001X	FERRITE BEAD,C,D,E	
	L6701	NQLZ007-100X	COIL	10μH
	L7001	NQL04DK-100X	COIL,A,B	10μH
		NQL402M-100X	COIL,C,D,E	10μH
	L7002	NQL315K-100X	COIL,A,B	10μH
		NQL402M-100X	COIL,C,D,E	10μH
	L8001	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8002	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8003	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8005	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8006	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8007	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8008	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8010	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8011	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8012	NQR0129-002X	FERRITE BEAD,C,D,E	
	L8101	NQR0006-001X	FERRITE BEAD,C,D,E	
	L8102	NQR0006-001X	FERRITE BEAD,C,D,E	
	L8401	NQR0006-001X	FERRITE BEAD,C,D,E	
	L8402	NQR0006-001X	FERRITE BEAD,C,D,E	
	X1001	NAX0474-001X	C OSCILLATOR	
	X1002	NAX0325-001X	CRYSTAL RESONATOR	
	X5501	NAX0356-001X	CXO	
	X8002	NAX0354-001X	RESONATOR,C,D,E	
	X8101	NAX0402-001X	CRYSTAL RESONATOR,C,D,E	
	X8401	NAX0398-001X	C OSCILLATOR,C,D,E	
	S1001	NSW0132-001X	DETECT SWITCH,MONITOR SW	
	S6001	NSW0018-001X	SLIDE SWITCH,CPU ROM,A,B	
	FW1	QAL0246-002	FPC,BATTERY TERMINAL	
	FW2	QAL0303-001	FPC,CN103-JACK CN901	
	TB1	LY31799-001A	BATTERY TERMINAL	
	J101	NNZ0028-001	D CONNECTOR	
	CN101	QGB0405L1-80X	CONNECTOR	
	CN102	QGB0405L1-80X	CONNECTOR	
	CN103	QGF0507F3-18X	FFC/FPC CONNECTOR	
	CN104	QGA1001F1-03X	CONNECTOR	
	CN105	QGB0506L1-20X	CONNECTOR	
	CN106	QGF0301F1-45X	FPC CONNECTOR	
	CN107	QGF0503F2-20X	FFC/FPC CONNECTOR	
	CN109	QGF0517F1-12X	FPC CONNECTOR,C,D,E	
	CN110	QGF0513F1-08X	FPC CONNECTOR	
	CN111	QGF0513F2-06X	FPC CONNECTOR	
	CN112	QGF0507F3-16X	FFC/FPC CONNECTOR	
⚠	F6101	NMFZ007-2R0X-K	FUSE	T2.0A
	OT1	LY30029-079A	SPACER(A),A,B	
		LY30029-0G1B	SPACER(A),C,D,E	
	OT2	LY30029-0J1A	SPACER(A)	
	OT3	LY30029-039A	SPACER(A)	
	OT4	LY30029-0F9A	SPACER(A),X2	
	OT5	LY30029-0E1B	SPACER(A),A,B	
		LY30029-0G2B	SPACER(A),C,D,E	
	OT6	LY30029-0E2A	SPACER(A)	
	OT7	LY43181-001A	SHIELD SHEET	
	SD1	LY31714-001A	SHIELD CASE	
	SD2	LY43131-001A	SHIELD PLATE,C,D,E	

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MDA BOARD ASSEMBLY <02>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
PW1	YB10320A1-02	MDA BOARD ASSY,C,D,E	
	YB10320B1-02	MDA BOARD ASSY,A,B	
IC1601	BD6630KV	IC	
IC1801	RS-171-X	IC(PHOTO SENSOR)	
IC4802	TA75W01FU	IC	
IC4803	TA75W01FU	IC	
IC4804	UPC358G2/5/-W	IC	
IC4806	TC7W00FU	IC(DIGITAL)	
IC4807	TC7W66FU	IC(DIGITAL),C,D,E	
IC4851	UPD16879GS	IC	
Q1601	UMC3N	TRANSISTOR	
Q4801	2SC4655/BC/-X	TRANSISTOR	
Q4802	2SC4617/RS/-X	TRANSISTOR,C,D,E	
Q4803	DTC144EE	TRANSISTOR,C,D,E	
	or PDTC144EE	TRANSISTOR,C,D,E	
	or UN9213J	TRANSISTOR,C,D,E	
	or RN1104	TRANSISTOR,C,D,E	
Q4804	DTA144EE	TRANSISTOR,C,D,E	
	or PDTA144EE	TRANSISTOR,C,D,E	
	or UN9113J	TRANSISTOR,C,D,E	
	or RN2104	TRANSISTOR,C,D,E	
Q4805	DTA143EE	TRANSISTOR,C,D,E	
	or UN911LJ	TRANSISTOR,C,D,E	
	or RN2101	TRANSISTOR,C,D,E	
Q4851	2SC4617/RS/-X	TRANSISTOR	
D1602	DAP222	DIODE	
D1603	DAP222	DIODE	
D1604	DAP222	DIODE	
D1801	TLSU1002/LM/-X	LE DIODE	
R1091	NRSA6AJ-682W	MG RESISTOR,C,D,E	6.8kΩ,1/16W
R1092	NRSA6AJ-392W	MG RESISTOR,C,D,E	3.9kΩ,1/16W
R1093	NRSA6AJ-272W	MG RESISTOR,C,D,E	2.7kΩ,1/16W
R1094	NRSA6AJ-182W	MG RESISTOR,C,D,E	1.8kΩ,1/16W
R1095	NRSA6AJ-152W	MG RESISTOR,C,D,E	1.5kΩ,1/16W
R1096	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R1601	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
R1602	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
R1603	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1604	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1605	NRV142F-R22X	CMF RESISTOR	0.22Ω,1/4W
R1606	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1608	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R1609	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W
R1610	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R1611	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R1612	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R1613	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1614	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
R1615	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1616	NRSA6AJ-391W	MG RESISTOR	390Ω,1/16W
R1617	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R1618	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
R1619	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R1620	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1621	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1622	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1624	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
R1625	NRSA6AJ-181W	MG RESISTOR	180Ω,1/16W
R1626	NRSA6AJ-181W	MG RESISTOR	180Ω,1/16W
R1628	NRVA6AD-361W	CMF RESISTOR	360Ω,1/16W
R1629	NRSA6AJ-684W	MG RESISTOR	680kΩ,1/16W
R1630	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1631	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R1635	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R1636	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1637	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
R1802	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
R4804	NRVA6AD-331W	CMF RESISTOR	330Ω,1/16W
R4805	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R4806	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
R4807	NRSA6AJ-563W	MG RESISTOR	56kΩ,1/16W
R4808	NRSA6AJ-243W	MG RESISTOR	24kΩ,1/16W
R4809	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R4810	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R4811	NRSA6AJ-684W	MG RESISTOR	680kΩ,1/16W
R4812	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R4814	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R4815	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R4816	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R4817	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
R4818	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
R4819	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R4820	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R4821	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R4822	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R4823	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4824	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R4825	NRSA6AJ-222W	MG RESISTOR,C,D,E	2.2kΩ,1/16W
R4826	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R4827	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4828	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4833	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R4836	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4837	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R4839	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R4840	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R4841	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
R4842	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
R4846	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R4849	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R4854	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4856	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
R4857	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
R4858	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R4859	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4860	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4862	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
R4863	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
R4864	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4865	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4866	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4867	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4868	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4870	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W
R4871	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4874	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
C1601	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1602	NBE21AM-106X	T CAPACITOR	10μF,10V
C1603	NBE21AM-106X	T CAPACITOR	10μF,10V
C1605	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1606	NCBA1HK-152W	CAPACITOR	0.0015μF,50V
C1607	NCBA1AK-473W	CAPACITOR	0.047μF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C1614	NBE21AM-106X	T CAPACITOR	10μF,10V
C1618	NCBA1HK-222W	CAPACITOR	0.0022μF,50V
C1619	NCBA1HK-222W	CAPACITOR	0.0022μF,50V
C1620	NCBA1HK-222W	CAPACITOR	0.0022μF,50V
C1621	NCB21AK-105X	CAPACITOR	1μF,10V
C1622	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C1623	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C1624	NCB31EK-103X	CAPACITOR	0.01μF,25V
C1625	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C1626	NCBA1HK-331W	CAPACITOR	330pF,50V
C1627	NCBA1CK-822W	CAPACITOR	0.0082μF,16V
C1628	NCB21CK-224X	CAPACITOR	0.22μF,16V
C1632	NBE21AM-106X	T CAPACITOR	10μF,10V
C1633	NCF21CZ-684X	CAPACITOR	0.68μF,16V
C1635	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1641	NCB31AK-474X	CAPACITOR	0.47μF,10V
C1801	NBE21AM-106X	T CAPACITOR	10μF,10V
C4803	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C4804	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4805	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4806	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4808	NCB30JK-105X	CAPACITOR	1μF,6.3V
C4809	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4810	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C4811	NCFA1HZ-103W	CAPACITOR	0.01μF,50V
C4812	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4813	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4814	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4815	NCB31HK-152X	CAPACITOR	0.0015μF,50V
C4819	NCF31CZ-104X	CAPACITOR	0.1μF,16V
C4851	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C4852	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
C4853	NBE21AM-335X	T CAPACITOR	3.3μF,10V
C4854	NBE21AM-106X	T CAPACITOR	10μF,10V
C4855	NCB31CK-104X	CAPACITOR	0.1μF,16V
C4858	NDCA1HJ-680W	CAPACITOR	68pF,50V
C4859	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4860	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4861	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4862	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C4864	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C4865	NCBA1AK-104W	CAPACITOR	0.1μF,10V
L4802	NQL302N-100X	COIL	10μH
L4851	NQR0129-002X	FERRITE BEAD	
L4852	NQL315K-100X	COIL	10μH
L4853	NQL315K-100X	COIL	10μH
CN201	QGF0505F2-06X	FPC CONNECTOR	
CN202	QGF0505F2-11X	FPC CONNECTOR	
CN203	QGF0505F2-18X	FPC CONNECTOR	
CN204	QGF0507F3-15X	FFC/FPC CONNECTOR	
CN205	QGF0508F1-24X	FPC CONNECTOR	
CN206	QGB0405M1-80X	CONNECTOR	
CN207	QGF0505F2-07X	FPC CONNECTOR,C,D,E	
CN208	QGF0508F1-20X	FPC CONNECTOR	

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CCD BOARD ASSEMBLY <03>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
PW	YB10322A-01	CCD BOARD ASSY,C,D,E	
	YB10322B-01	CCD BOARD ASSY,A,B	
Q5001	2SC3931/CD/-X	TRANSISTOR	
Q5002	2SC4081/RS/-X	TRANSISTOR,C,D,E	
R5001	NRSA02J-472X	MG RESISTOR	4.7kΩ,1/10W
R5002	NRSA02J-0R0X	MG RESISTOR	0Ω,1/10W
R5003	NRSA02J-104X	MG RESISTOR	100kΩ,1/10W
R5005	NRSA02J-472X	MG RESISTOR,C,D,E	4.7kΩ,1/10W
C5001	NCB21CK-104X	CAPACITOR	0.1μF,16V
C5002	NBP41DM-106X	T CAPACITOR	10μF,20V
C5003	NCB21CK-104X	CAPACITOR	0.1μF,16V
C5004	NBE21AM-106X	T CAPACITOR	10μF,10V
C5005	NCB11EK-104X	CAPACITOR	0.1μF,25V
C5006	NCB21CK-104X	CAPACITOR	0.1μF,16V
C5007	NCB21HK-222X	CAPACITOR	0.0022μF,50V
C5011	NCB21CK-105X	CAPACITOR	1μF,16V
L5001	NQL315K-100X	COIL	

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MONITOR BOARD ASSEMBLY <04>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
PW	YB10321B-01	MONITOR BOARD ASSY	
IC7601	AN2540FHQ	IC	
IC7602	BA15532F	IC	
IC7603	X25057M8-2.7-X	IC	
IC7604	SN74LV08APW	IC	
IC7606	MM1385HN	IC	
Q7501	FP211	PAIR TRANSISTOR	
Q7503	DTA144EE	TRANSISTOR	
Q7504	2SC4617/QR/-X	TRANSISTOR	
Q7601	2SC4617/QR/-X	TRANSISTOR	
Q7602	2SA1774/QR/-X	TRANSISTOR	
Q7603	2SC4617/QR/-X	TRANSISTOR	
Q7604	2SA1774/QR/-X	TRANSISTOR	
Q7608	DTC144EE	TRANSISTOR	
Q7609	DTC144EE	TRANSISTOR	
Q7610	DTA144EE	TRANSISTOR	
D7601	RB471E	SB DIODE	
R7501	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R7502	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R7503	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R7506	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R7507	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R7601	NRVA6AD-622W	CMF RESISTOR	6.2kΩ,1/16W
R7602	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R7603	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R7608	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R7609	NRVA6AD-223W	CMF RESISTOR	22kΩ,1/16W
R7610	NRVA6AD-433W	CMF RESISTOR	43kΩ,1/16W
R7611	NRVA6AD-821W	CMF RESISTOR	820Ω,1/16W
R7612	NRVA6AD-223W	CMF RESISTOR	22kΩ,1/16W
R7613	NRVA6AD-223W	CMF RESISTOR	22kΩ,1/16W
R7614	NRVA6AD-223W	CMF RESISTOR	22kΩ,1/16W
R7615	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R7616	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
	R7617	NRSA02J-561X	MG RESISTOR	560Ω,1/10W
	R7618	NRSA02J-561X	MG RESISTOR	560Ω,1/10W
	R7630	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
	R7631	NRSA6AJ-335W	MG RESISTOR	3.3MΩ,1/16W
	R7633	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R7635	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	C7501	NCZ1016-120X	CAPACITOR	12pF,2kV
	C7502	NCZ1016-150X	CAPACITOR	15pF,2kV
	C7503	NFV41HJ-273X	MPPS CAPACITOR	0.027μF,50V
	C7504	NCB31EK-103X	CAPACITOR	0.01μF,25V
	C7505	NBE20JM-226X	T CAPACITOR	22μF,6.3V
	C7601	NCB30JK-105X	CAPACITOR	1μF,6.3V
	C7602	NCBA1CK-103W	CAPACITOR	0.01μF,16V
	C7603	NCZ1028-225X	CAPACITOR	2.2μF,10V
	C7604	NCZ1028-225X	CAPACITOR	2.2μF,10V
	C7605	NCZ1028-225X	CAPACITOR	2.2μF,10V
	C7606	NCB31CK-104X	CAPACITOR	0.1μF,16V
	C7607	NBP41CM-106X	T CAPACITOR	10μF,16V
	C7608	NCB31EK-103X	CAPACITOR	0.01μF,25V
	C7609	NCB31CK-104X	CAPACITOR	0.1μF,16V
	C7610	NCZ1028-225X	CAPACITOR	2.2μF,10V
	C7611	NCZ1028-225X	CAPACITOR	2.2μF,10V
	C7612	NCZ1028-225X	CAPACITOR	2.2μF,10V
	C7613	NBE20JM-225X	T CAPACITOR	2.2μF,6.3V
	C7614	NCBA1HK-152W	CAPACITOR	0.0015μF,50V
	C7615	NCBA1CK-103W	CAPACITOR	0.01μF,16V
	C7616	NCB31HK-102X	CAPACITOR	0.001μF,50V
	C7617	NCBA1CK-103W	CAPACITOR	0.01μF,16V
	C7618	NCB10JK-106X	CAPACITOR	10μF,6.3V
	C7619	NCB10JK-106X	CAPACITOR	10μF,6.3V
	C7620	NCBA1CK-103W	CAPACITOR	0.01μF,16V
	C7621	NCB30JK-105X	CAPACITOR	1μF,6.3V
	C7622	NCB30JK-105X	CAPACITOR	1μF,6.3V
	C7623	NBE21AM-106X	T CAPACITOR	10μF,10V
	C7624	NCBA1CK-103W	CAPACITOR	0.01μF,16V
	C7626	NCBA1AK-104W	CAPACITOR	0.1μF,10V
	C7627	NCBA1AK-104W	CAPACITOR	0.1μF,10V
	C7628	NBP41EM-475X	T CAPACITOR	4.7μF,25V
	C7629	NBP21CM-335X	T CAPACITOR	3.3μF,16V
	C7630	NBP41EM-475X	T CAPACITOR	4.7μF,25V
	C7631	NCB31EK-103X	CAPACITOR	0.01μF,25V
	C7632	NCB11CK-225X	CAPACITOR	2.2μF,16V
	C7633	NCB31EK-103X	CAPACITOR	0.01μF,25V
	C7634	NBE90JM-106X	T CAPACITOR	10μF,6.3V
	C7635	NCBA1CK-103W	CAPACITOR	0.01μF,16V
	C7637	NCBA1CK-103W	CAPACITOR	0.01μF,16V
	C7641	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
	C7643	NBE90JM-106X	T CAPACITOR	10μF,6.3V
	C7646	NCFA1AZ-104W	CAPACITOR	0.1μF,10V
	C7647	NCBA1CK-103W	CAPACITOR	0.01μF,16V
	C7648	NCF21CZ-105X	CAPACITOR	1μF,16V
	L7501	NQL54EM-680X	COIL	68μH
	L7502	NQL54EM-220X	COIL	22μH
	L7601	NQL04DK-220X	COIL	22μH
	L7602	NQL04DK-220X	COIL	22μH
	L7604	NQL04DK-220X	COIL	22μH
	L7605	NQL04DK-220X	COIL	22μH
	L7606	NQL04DK-220X	COIL	22μH
	L7607	NQL04DK-220X	COIL	22μH
	T7501	NQS0050-001X	SW TRANSF	
	CN761	QGF0304F1-39X	FFC/FPC CONNECTOR	
	CN762	QGF0517F1-24X	FPC CONNECTOR	

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
⚠	F7501	NMFZ009-R375XJ1	FUSE	T0.37A
	OT1	LY43044-001A	SHEET(SHIELD)	
	OT2	LY30029-0E3A	SPACER(A)	
	OT3	LY30029-0E9A	SPACER(A)	
	OT4	LY30029-0G6A	SPACER(A)	

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JUNCTION BOARD ASSEMBLY <06>

	PW2	YB10323A2-01	JUNCTION BOARD ASSY,C,D,E	
		YB10323B2-01	JUNCTION BOARD ASSY,A,B	
	D8501	EMZ6.8N	ZENER DIODE,C,D,E	
	R8501	NRSA63J-0R0X	MG RESISTOR,C,D,E	0Ω,1/16W
	R8502	NRSA63J-0R0X	MG RESISTOR,C,D,E	0Ω,1/16W
	R8503	NRSA63J-0R0X	MG RESISTOR,C,D,E	0Ω,1/16W
	R8504	NRSA63J-0R0X	MG RESISTOR,C,D,E	0Ω,1/16W
	R8505	NRSA63J-473X	MG RESISTOR,C,D,E	47kΩ,1/16W
	R8506	NRSA63J-103X	MG RESISTOR,C,D,E	10kΩ,1/16W
	R8507	NRSA63J-103X	MG RESISTOR,C,D,E	10kΩ,1/16W
	R8508	NRSA63J-473X	MG RESISTOR,C,D,E	47kΩ,1/16W
	R8509	NRSA63J-473X	MG RESISTOR,C,D,E	47kΩ,1/16W
	R8510	NRSA63J-104X	MG RESISTOR,C,D,E	100kΩ,1/16W
	R8512	NRSA63J-471X	MG RESISTOR	470Ω,1/16W
	C8502	NBE20JM-106X	T CAPACITOR	10μF,6.3V
	L8501	NQR0129-002X	FERRITE BEAD,C,D,E	
⚠	BT8501	QAB0038-001	LI BATTERY	
	CN601	QGF0517F1-20X	FPC CONNECTOR	
	CN602	QGF0520F1-13X	FFC/FPC CONNECTOR	
	CN603	QGF0505F1-11X	FPC CONNECTOR,C,D,E	

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STROBE BOARD ASSEMBLY(C,D,E)

	PW	YB10249D-01	STROBE BOARD ASSY	
	IC6502	TC7SET08FU	IC(DIGITAL)	
	Q6501	2SB1462J/RS/-X	TRANSISTOR	
	Q6502	UN9211J	TRANSISTOR	
		or DTC114EE	TRANSISTOR	
⚠	Q6503	2SB1124/ST/-X	TRANSISTOR	
	Q6504	2SD1628/FG/-X	TRANSISTOR	
	Q6506	CT25ASJ-8-X	POW TRANSISTOR	
	D6501	F1F16	DIODE	
	D6502	DA121	DIODE	
	D6503	F1SN4	DIODE	
	D6504	CRG02	DIODE	
	R6501	NRSA63J-3R9X	MG RESISTOR	3.9Ω,1/16W
	R6502	NRSA63J-4R7X	MG RESISTOR	4.7Ω,1/16W
	R6504	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
	R6505	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R6506	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
	R6507	NRSA02J-106X	MG RESISTOR	10MΩ,1/10W
	R6508	NRVA63D-184X	CMF RESISTOR	180kΩ,1/16W
	R6514	NRSA02J-105X	MG RESISTOR	1MΩ,1/10W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R6515	NRS181J-220X	MG RESISTOR	22Ω,1/8W
R6516	NRSA02J-104X	MG RESISTOR	100kΩ,1/10W
R6519	NRSA02J-106X	MG RESISTOR	10MΩ,1/10W
R6520	NRSA6AJ-330W	MG RESISTOR	33Ω,1/16W
R6527	NRSA6AJ-391W	MG RESISTOR	390Ω,1/16W
C6501	NBE41AM-336X	T CAPACITOR	33μF,10V
C6502	NBE41AM-226X	T CAPACITOR	22μF,10V
C6503	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C6506	NCZ1008-333X	CAPACITOR	0.033μF,250V
C6507	NCZ1019-273X	CAPACITOR	0.027μF,250V
C6508	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C6509	NCZ1024-103X	CAPACITOR	0.01μF,250V
L6501	NQS0042-001X	SW TRANSF	
L6502	NQL302N-100X	COIL	10μH
L6503	NQL044K-470X	COIL	47μH
HD1	LY41512-001A	HOLDER(STR)ASSY	
WR1	WJT0047-001A	E-CARD WIRE,CN6501-MAIN CN109	
J6501	QUB490-02A2A2	WIRE,STROBE ASSY	
J6502	QUB499-02A2A2	WIRE,STROBE ASSY	
CN6501	QGF0513F1-12X	FPC CONNECTOR	
OT1	LY30029-0F8B	SPACER(A)	
OT2	QEZ0450-326	E CAPACITOR	32μF,10V
OT3	LY30018-037A	SPECIAL SCREW	
⚠ OT4	LY43101-001A	SHEET(ST.PWB)	
OT5	LY41409-002A	SPACER(STROBE)	
OT6	LY30029-0G7A	SPACER(A)	
OT7	LY30029-0H2A	SPACER(A)	
UN1	LY32221-001A	STROBE ASSY	

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AUDIO BOARD ASSEMBLY <08>

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
PW2	YB10320C2-02	AUDIO BOARD ASSY,C,D,E	
	YB10320B2-02	AUDIO BOARD ASSY,A,B	
IC2101	AK4550VT	IC	
IC2151	AK4550VT	IC,C,D,E	
IC2201	LA74202W	IC	
IC2301	BA4510FV	IC,C,D,E	
IC2751	TC74HC4052AFT	IC,C,D,E	
IC2752	TC7S66FU	IC(DIGITAL),C,D,E	
Q2151	UMX18N	PAIR TRANSISTOR,C,D,E	
Q2302	2SC4617/QR/-X	TRANSISTOR,C,D,E	
Q2401	2SC4617/QR/-X	TRANSISTOR	
Q2402	2SA1774/QR/-X	TRANSISTOR	
Q2403	DTC144EE	TRANSISTOR	
Q2601	2SC4617/QR/-X	TRANSISTOR	
Q2602	2SC4617/QR/-X	TRANSISTOR	
Q2701	UMX1N	PAIR TRANSISTOR	
	or PUMX1	PAIR TRANSISTOR	
Q2751	2SA1774/QR/-X	TRANSISTOR,C,D,E	
Q2752	DTA144EE	TRANSISTOR,C,D,E	
	or PDTA144EE	TRANSISTOR,C,D,E	
	or UN9113J	TRANSISTOR,C,D,E	
	or RN2104	TRANSISTOR,C,D,E	
Q2753	DTC144EE	TRANSISTOR,C,D,E	
	or PDTC144EE	TRANSISTOR,C,D,E	
	or UN9213J	TRANSISTOR,C,D,E	
	or RN1104	TRANSISTOR,C,D,E	
Q2754	DTC144EE	TRANSISTOR,C,D,E	
	or PDTC144EE	TRANSISTOR,C,D,E	
	or UN9213J	TRANSISTOR,C,D,E	
	or RN1104	TRANSISTOR,C,D,E	
Q2755	2SC4617/QR/-X	TRANSISTOR,C,D,E	
Q2756	UMC4N	TRANSISTOR,C,D,E	
Q2758	UMX18N	PAIR TRANSISTOR,C,D,E	
	or PUMX1	PAIR TRANSISTOR,C,D,E	
Q2759	2SC4617/QR/-X	TRANSISTOR,C,D,E	
D2701	DAN222	DIODE	
D2751	DA221	DIODE,C,D,E	
D2752	DA221	DIODE,C,D,E	
D2753	DA221	DIODE,C,D,E	
D2754	DA221	DIODE,C,D,E	
R2001	NRVA6AD-103W	CMF RESISTOR	10kΩ,1/16W
R2002	NRVA6AD-152W	CMF RESISTOR	1.5kΩ,1/16W
R2003	NRVA6AD-182W	CMF RESISTOR	1.8kΩ,1/16W
R2004	NRVA6AD-272W	CMF RESISTOR	2.7kΩ,1/16W
R2101	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R2102	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R2103	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2151	NRSA6AJ-471W	MG RESISTOR,C,D,E	470Ω,1/16W
R2152	NRSA6AJ-471W	MG RESISTOR,C,D,E	470Ω,1/16W
R2153	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2154	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2157	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2158	NRSA6AJ-332W	MG RESISTOR,C,D,E	3.3kΩ,1/16W
R2159	NRSA6AJ-564W	MG RESISTOR,C,D,E	560kΩ,1/16W
R2160	NRSA6AJ-564W	MG RESISTOR,C,D,E	560kΩ,1/16W
R2161	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R2162	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R2206	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2207	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2209	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W
R2210	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W
R2211	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2212	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2213	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
R2214	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R2215	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2218	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2219	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R2220	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R2221	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2301	NRSA6AJ-560W	MG RESISTOR,C,D,E	56Ω,1/16W
R2302	NRSA6AJ-560W	MG RESISTOR,C,D,E	56Ω,1/16W
R2303	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2305	NRSA6AJ-183W	MG RESISTOR,C,D,E	18kΩ,1/16W
R2306	NRSA6AJ-183W	MG RESISTOR,C,D,E	18kΩ,1/16W
R2307	NRSA6AJ-183W	MG RESISTOR,C,D,E	18kΩ,1/16W
R2308	NRSA6AJ-183W	MG RESISTOR,C,D,E	18kΩ,1/16W
R2309	NRSA6AJ-184W	MG RESISTOR,C,D,E	180kΩ,1/16W
R2310	NRSA6AJ-184W	MG RESISTOR,C,D,E	180kΩ,1/16W
R2311	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R2312	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R2313	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R2314	NRSA6AJ-473W	MG RESISTOR,C,D,E	47kΩ,1/16W
R2315	NRSA63J-0R0X	MG RESISTOR,C,D,E	0Ω,1/16W
R2316	NRSA63J-0R0X	MG RESISTOR,C,D,E	0Ω,1/16W
R2319	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2320	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2325	NRSA6AJ-104W	MG RESISTOR,C,D,E	100kΩ,1/16W
R2326	NRSA6AJ-104W	MG RESISTOR,C,D,E	100kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R2327	NRSA6AJ-102W	MG RESISTOR,C,D,E	1kΩ,1/16W
R2328	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R2402	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R2403	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2404	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R2406	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R2409	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2413	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2414	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W
R2415	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W
R2601	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2602	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2603	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2604	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2605	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
R2606	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
R2609	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2610	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2611	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2612	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2613	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2614	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2615	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
R2616	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
R2617	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R2618	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R2619	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R2620	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R2621	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R2622	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R2623	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2624	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2701	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2702	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2703	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2704	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2705	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
R2706	NRSA6AJ-0R0W	MG RESISTOR,A,B	0Ω,1/16W
R2707	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2751	NRSA6AJ-820W	MG RESISTOR,C,D,E	82Ω,1/16W
R2752	NRSA6AJ-820W	MG RESISTOR,C,D,E	82Ω,1/16W
R2753	NRSA6AJ-182W	MG RESISTOR,C,D,E	1.8kΩ,1/16W
R2755	NRSA6AJ-222W	MG RESISTOR,C,D,E	2.2kΩ,1/16W
R2756	NRSA6AJ-564W	MG RESISTOR,C,D,E	560kΩ,1/16W
R2757	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2758	NRSA6AJ-102W	MG RESISTOR,C,D,E	1kΩ,1/16W
R2759	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R2760	NRSA6AJ-104W	MG RESISTOR,C,D,E	100kΩ,1/16W
R2761	NRSA6AJ-221W	MG RESISTOR,C,D,E	220Ω,1/16W
R2762	NRSA6AJ-100W	MG RESISTOR,C,D,E	10Ω,1/16W
R2763	NRSA6AJ-104W	MG RESISTOR,C,D,E	100kΩ,1/16W
R2764	NRSA6AJ-221W	MG RESISTOR,C,D,E	220Ω,1/16W
R2765	NRSA6AJ-0R0W	MG RESISTOR,C,D,E	0Ω,1/16W
R2767	NRSA6AJ-332W	MG RESISTOR,C,D,E	3.3kΩ,1/16W
R2768	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R2770	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R2771	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R2772	NRSA6AJ-103W	MG RESISTOR,C,D,E	10kΩ,1/16W
R2773	NRSA6AJ-822W	MG RESISTOR,C,D,E	8.2kΩ,1/16W
R2774	NRSA6AJ-822W	MG RESISTOR,C,D,E	8.2kΩ,1/16W
C2101	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2102	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2103	NCBA1HK-222W	CAPACITOR	0.0022μF,50V
C2104	NCBA1HK-222W	CAPACITOR	0.0022μF,50V
C2105	NBE20JM-475X	T CAPACITOR	4.7μF,6.3V
C2106	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2107	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2108	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2151	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2152	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2153	NCBA1HK-222W	CAPACITOR,C,D,E	0.0022μF,50V
C2154	NCBA1HK-222W	CAPACITOR,C,D,E	0.0022μF,50V
C2155	NBE20JM-475X	T CAPACITOR,C,D,E	4.7μF,6.3V
C2156	NCB31CK-104X	CAPACITOR,C,D,E	0.1μF,16V
C2157	NCB31CK-104X	CAPACITOR,C,D,E	0.1μF,16V
C2163	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2164	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2201	NCB20JK-225X	CAPACITOR	2.2μF,6.3V
C2202	NCB20JK-225X	CAPACITOR	2.2μF,6.3V
C2203	NCB21CK-474X	CAPACITOR,C,D,E	0.47μF,16V
C2204	NCB21CK-474X	CAPACITOR,C,D,E	0.47μF,16V
C2205	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2206	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2207	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2208	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2210	NBE20JM-475X	T CAPACITOR	4.7μF,6.3V
C2211	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2212	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2213	NBE40JM-476X	T CAPACITOR	47μF,6.3V
C2214	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2215	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2216	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2217	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C2219	NCB21CK-105X	CAPACITOR	1μF,16V
C2220	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2221	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2222	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2223	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2224	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C2301	NBE20JM-106X	T CAPACITOR,C,D,E	10μF,6.3V
C2303	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2304	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2305	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2306	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2307	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2308	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2311	NCB31CK-104X	CAPACITOR,C,D,E	0.1μF,16V
C2312	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2402	NBE20JM-106X	T CAPACITOR	10μF,6.3V
C2405	NBE41AM-106X	T CAPACITOR	10μF,10V
C2407	NBE40JM-476X	T CAPACITOR	47μF,6.3V
C2603	NCB31CK-223X	CAPACITOR	0.022μF,16V
C2604	NCB31CK-223X	CAPACITOR	0.022μF,16V
C2605	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2606	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2607	NBE20JM-475X	T CAPACITOR	4.7μF,6.3V
C2608	NBE20JM-475X	T CAPACITOR	4.7μF,6.3V
C2609	NCB31CK-273X	CAPACITOR	0.027μF,16V
C2610	NCB31CK-273X	CAPACITOR	0.027μF,16V
C2613	NCB31CK-333X	CAPACITOR	0.033μF,16V
C2614	NCB31CK-333X	CAPACITOR	0.033μF,16V
C2615	NCBA1HK-332W	CAPACITOR	0.0033μF,50V
C2616	NCBA1HK-332W	CAPACITOR	0.0033μF,50V
C2619	NCBA1HK-152W	CAPACITOR	0.0015μF,50V
C2620	NCBA1HK-152W	CAPACITOR	0.0015μF,50V
C2621	NCB31EK-103X	CAPACITOR	0.01μF,25V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C2622	NCB31EK-103X	CAPACITOR	0.01μF,25V
C2623	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2624	NCB30JK-105X	CAPACITOR	1μF,6.3V
C2625	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2626	NCB31CK-104X	CAPACITOR	0.1μF,16V
C2627	NBE20GM-336X	T CAPACITOR	33μF,4.0V
C2751	NBE20JM-106X	T CAPACITOR,C,D,E	10μF,6.3V
C2752	NBE21AM-106X	T CAPACITOR,C,D,E	10μF,10V
C2753	NBE40JM-476X	T CAPACITOR,C,D,E	47μF,6.3V
C2754	NDCA1HJ-101W	CAPACITOR,C,D,E	100pF,50V
C2755	NCB30JK-105X	CAPACITOR,C,D,E	1μF,6.3V
C2757	NCB31CK-473X	CAPACITOR,C,D,E	0.047μF,16V
C2758	NCB31CK-104X	CAPACITOR,C,D,E	0.1μF,16V
L2101	NQL402M-100X	COIL	10μH
L2402	NQL315K-220X	COIL	22μH
L2601	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2602	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2603	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
S2001	NSW0120-002X	PUSH SWITCH,EJECT SW	
S2002	NSW0105-001X	DETECT SWITCH,DSC SW,C,D,E	
S7001	NSW0120-002X	PUSH SWITCH,VF ON SW	
CN801	QGB0405M1-80X	CONNECTOR	
CN803	QGF0517F1-06X	FPC CONNECTOR	
CN804	QGA1001F1-04X	CONNECTOR	
CN805	QGF0508F1-16X	FPC CONNECTOR	
OT1	LY30029-0E4A	SPACER(A)	
OT2	LY30029-0H6B	SPACER(A)	

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JACK BOARD ASSEMBLY <09>

PW1	YB10323B1	JACK BOARD ASSY,C,D,E	
	YB10323C1	JACK BOARD ASSY,A,B	
D2802	MA8068	ZENER DIODE	
R2802	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2803	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2806	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2801	NQR0251-004X	FERRITE BEAD	
L2802	NQR0251-004X	FERRITE BEAD	
L2803	NQR0251-004X	FERRITE BEAD	
J901	QNS0078-001	3.5 JACK	
J902	QNA0027-001	DC JACK	
CN901	QGF0507F3-18X	FFC/FPC CONNECTOR	

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W/B BOARD ASSEMBLY <11>

PW3	YB10320A3	W/B BOARD ASSY	
Q1151	RPM-22PB	PHOTO TRANSISTOR	
R1151	NRSA63J-302X	MG RESISTOR	3kΩ,1/16W
C1151	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C1152	NCB21EK-683X-R	CAPACITOR	0.068μF,25V
L1151	NQR0265-001X	FERRITE BEAD	
WR1	WJM0144-001A	E-SI C WIRE C-F,MAIN CN104	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION

SECTION 4
CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

> **Safety precautions**
> **The Components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.**

1. Units of components on the schematic diagram

Unless otherwise specified.

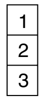
1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ (1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in µF, (P: PF).
3) All inductance values are in µH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

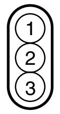
AUX : Active at high.

$\overline{\text{AUX}}$ or AUX(L) : Active at low.

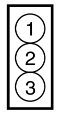
3. Interpreting Connector indications



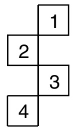
Removable connector



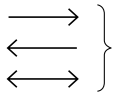
Wire soldered directly on board



Non-removable Board connector



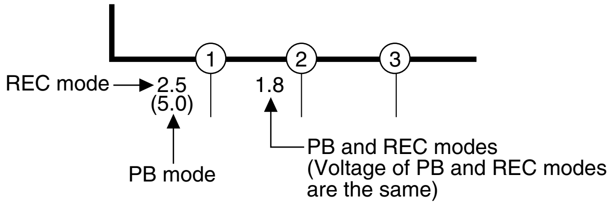
Board to Board



Connected pattern on board
The arrows indicate signal path

4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
4) Indication on schematic diagram
   Voltage Indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

5. Signal path Symbols

The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.

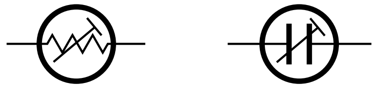
⇨	Playback signal path
▭▶	Playback and recording signal path
➡	Recording signal path (including E-E signal path)
⇨▷	Capstan servo path
➡▶	Drum servo path

(Example)

⇨	R-Y	Playback R-Y signal path
➡	Y	Recording Y signal path

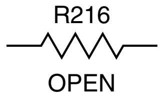
6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.



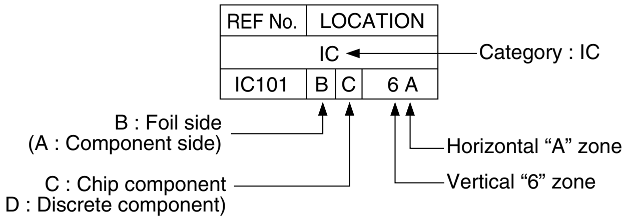
CIRCUIT BOARD NOTES

1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

2. Parts location guides

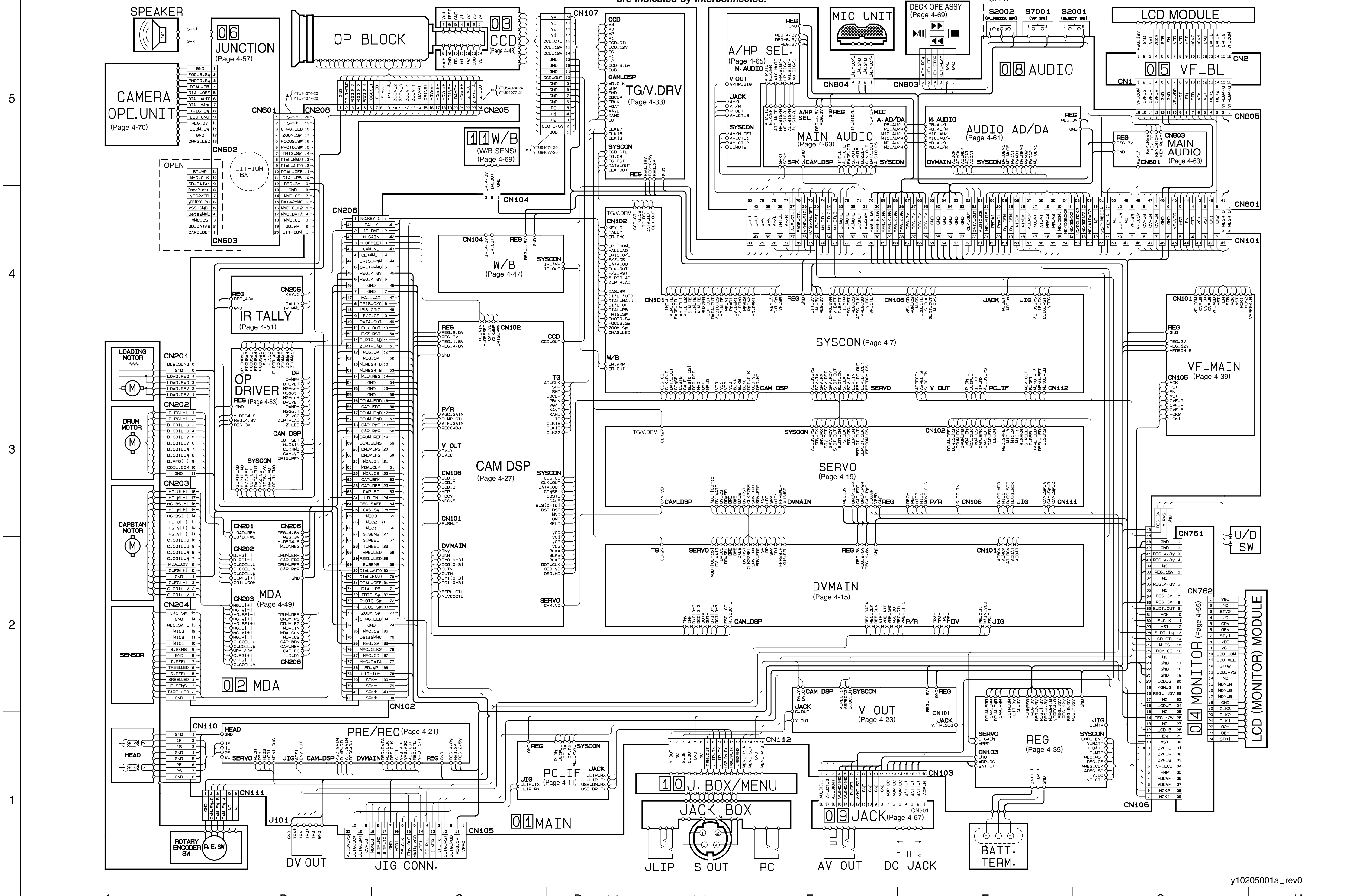
Parts location are indicated by guide scale on the circuit board.



Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

4.1 BOARD INTERCONNECTIONS [GR-DVX44EG/EK]

NOTE) ＊: The number of patch cords are indicated by interconnected.



SPEAKER
06 JUNCTION (Page 4-57)
OP BLOCK
03 CCD (Page 4-48)
CAMERA OPE.UNIT (Page 4-70)
LITHIUM BATT.
OPEN
11 W/B (W/B SENS) (Page 4-69)
TG/V.DRV (Page 4-33)
W/B (Page 4-47)
IR TALLY (Page 4-51)
OP DRIVER (Page 4-53)
CAM DSP (Page 4-27)
MDA (Page 4-49)
02 MDA
LOADING MOTOR
DRUM MOTOR
CAPSTAN MOTOR
SENSOR
HEAD
ROTARY ENCODER SW
R.E.SW
PRE/REC (Page 4-21)
DV OUT
JIG CONN.
01 MAIN
PC_IF (Page 4-11)
10 J.BOX/MENU
JACK BOX
JLIP
S OUT
PC
MIC UNIT
DECK OPE ASSY (Page 4-69)
S2002 (P_MEDIA SW)
S7001 (VF SW)
S2001 (EJECT SW)
LCD MODULE
05 VF_BL
08 AUDIO
A/HP SEL. (Page 4-65)
MAIN AUDIO (Page 4-63)
AUDIO AD/DA (Page 4-61)
MAIN AUDIO (Page 4-63)
SYSCON (Page 4-7)
SERVO (Page 4-19)
DVMAIN (Page 4-15)
VF_MAIN (Page 4-39)
U/D SW
04 MONITOR (Page 4-55)
LCD (MONITOR) MODULE
V OUT (Page 4-23)
REG (Page 4-35)
09 JACK (Page 4-67)
AV OUT
DC JACK
BATT. TERM.
CN101
CN102
CN103
CN104
CN105
CN106
CN107
CN110
CN111
CN112
CN201
CN202
CN203
CN204
CN205
CN206
CN208
CN601
CN602
CN603
CN761
CN762
CN801
CN803
CN804
CN805
CN901
J101
YTU94074-20
YTU94077-20
YTU94074-24
YTU94077-24
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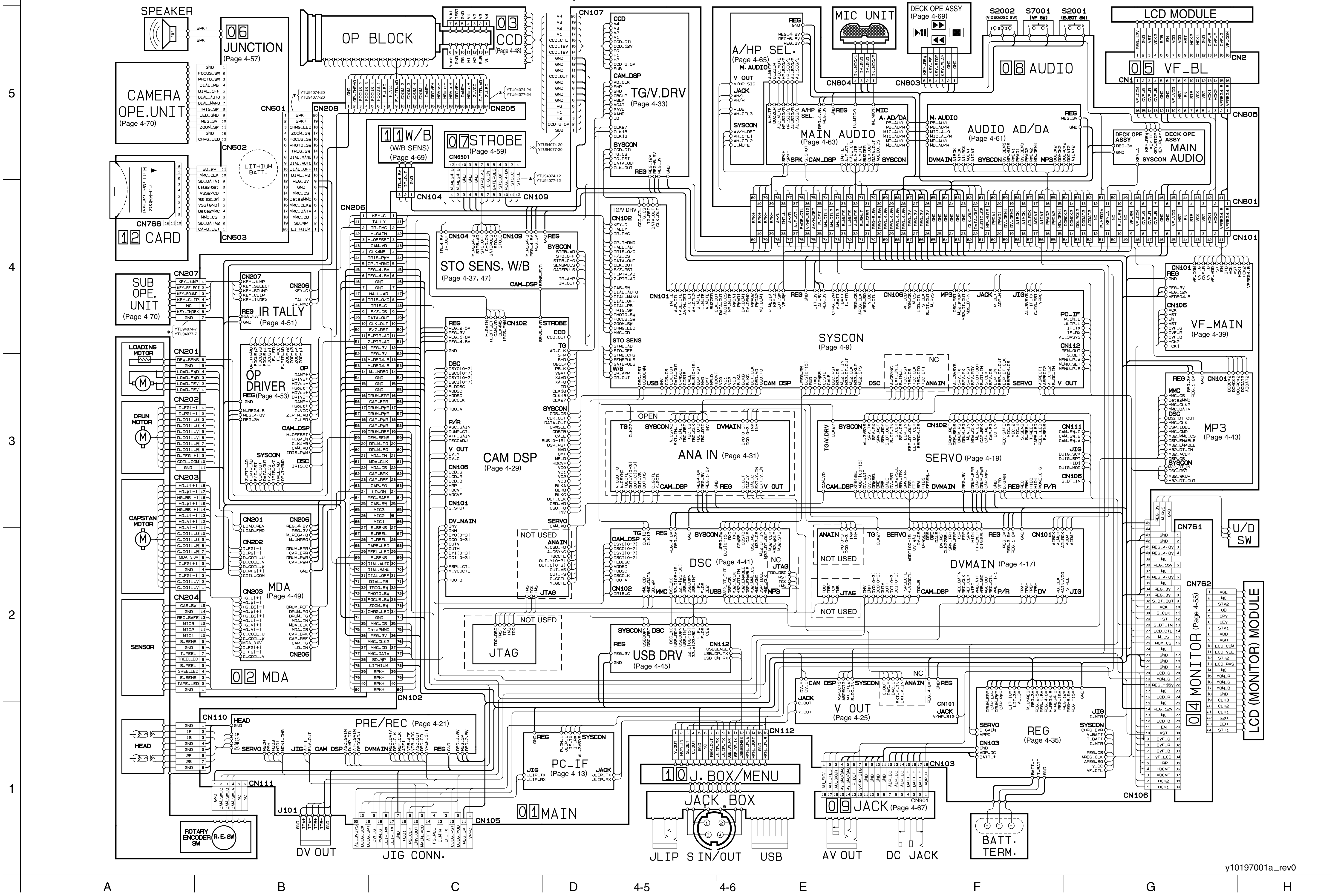
4.2 BOARD INTERCONNECTIONS [GR-DVX77EG/EK, DVX88EG]

NOTE) ✻ : The number of patch cords are indicated by interconnected.


SPEAKER
06 JUNCTION (Page 4-57)
OP BLOCK
03 CCD (Page 4-48)
CAMERA OPE.UNIT (Page 4-70)
LITHIUM BATT.
12 CARD
SUB OPE. UNIT (Page 4-70)
IR TALLY (Page 4-51)
OP DRIVER (Page 4-53)
02 MDA
MDA (Page 4-49)
LOADING MOTOR
DRUM MOTOR
CAPSTAN MOTOR
SENSOR
HEAD
ROTARY ENCODER SW
R.E.SW
DV OUT
JIG CONN.
PRE/REC (Page 4-21)
PC_IF (Page 4-13)
01 MAIN
11 W/B (W/B SENS) (Page 4-69)
07 STROBE (Page 4-59)
STO SENS, W/B (Page 4-37, 47)
CAM DSP (Page 4-29)
TG/V.DRV (Page 4-33)
SYSCON (Page 4-9)
ANA IN (Page 4-31)
SERVO (Page 4-19)
DSC (Page 4-41)
DVMAIN (Page 4-17)
JTAG
NOT USED
USB DRV (Page 4-45)
V OUT (Page 4-25)
REG (Page 4-35)
10 J. BOX/MENU
JACK BOX
JLIP
S IN/OUT
USB
09 JACK (Page 4-67)
AV OUT
DC JACK
BATT. TERM.
A/HP SEL. (Page 4-65)
MIC UNIT
DECK OPE ASSY (Page 4-69)
S2002 (VIDEO/DSC SW)
S7001 (VF SW)
S2001 (EJECT SW)
08 AUDIO
MAIN AUDIO (Page 4-63)
AUDIO AD/DA (Page 4-61)
LCD MODULE
05 VF_BL
VF_MAIN (Page 4-39)
MP3 (Page 4-43)
U/D SW
04 MONITOR (Page 4-55)
LCD (MONITOR) MODULE
CN107
CN601
CN602
CN603
CN208
CN205
CN206
CN104
CN109
CN6501
CN766
CN207
CN201
CN202
CN203
CN204
CN110
CN111
J101
CN105
CN102
CN112
CN103
CN901
CN106
CN761
CN762
CN801
CN101
CN805
CN804
CN803
CN1
CN2
A
B
C
D
E
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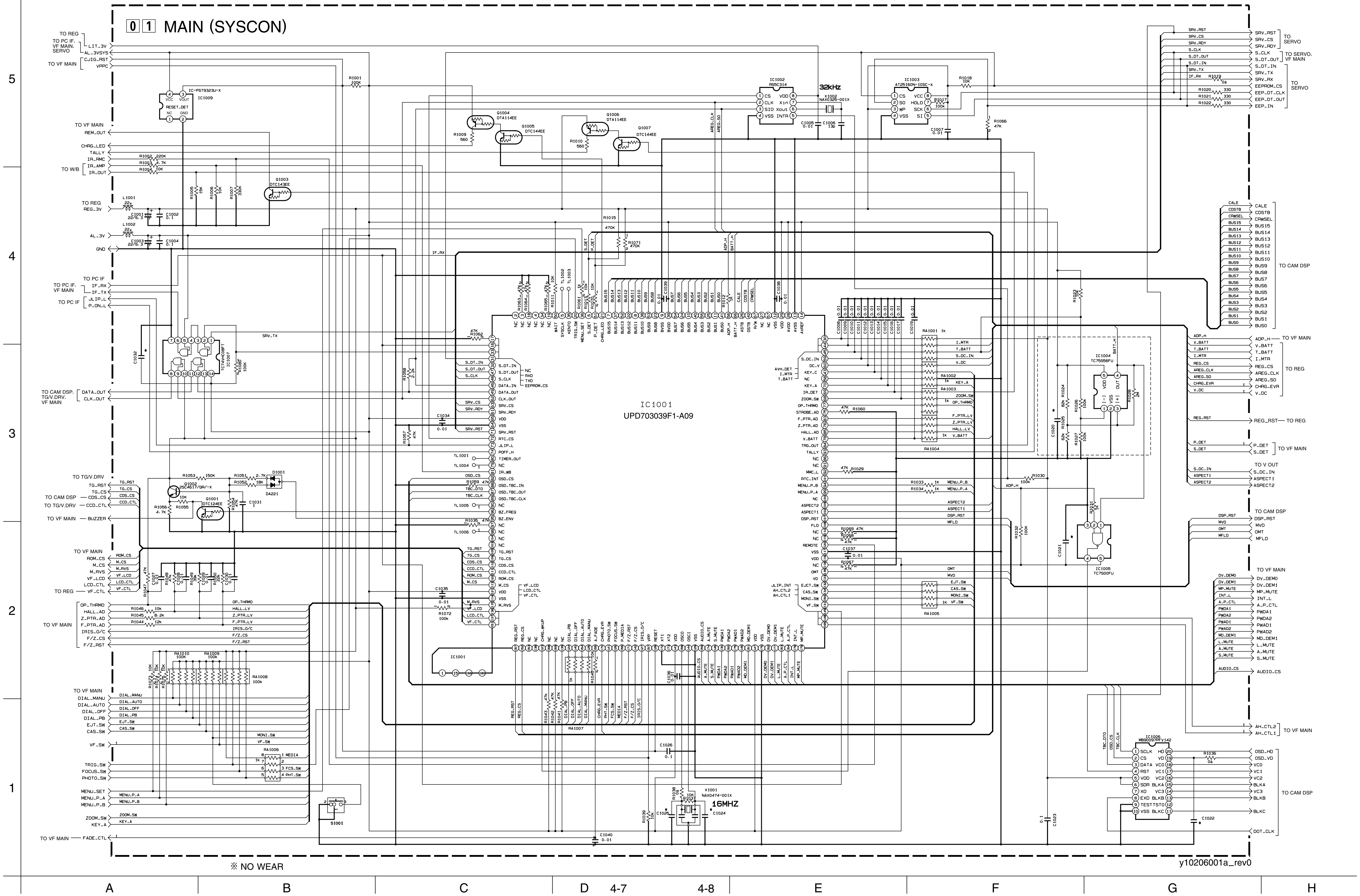
y10197001a_rev0

4.3 SYSCON SCHEMATIC DIAGRAM [GR-DVX44EG/EK]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



01 MAIN (SYSCON)
IC1001
UPD703039F1-A09
IC1002 RS5C314
IC1003 AT25160N-10SC-x
IC1004 TC75S56FU
IC1005 TC7S00FU
IC1006 MB90097PFV142
IC1007 TC74VHC08FT
IC1009 IC-PST9323U-x
X1001 NAX0474-001X 16MHZ
X1002 NAX0325-001X 32kHz
S1001
TO REG
TO PC IF, VF MAIN, SERVO
TO VF MAIN
TO W/B
TO PC IF
TO CAM DSP, TG/V.DRV, VF MAIN
TO TG/V.DRV
TO CAM DSP
TO SERVO
TO SERVO, VF MAIN
TO V OUT
※ NO WEAR
y10206001a_rev0
1
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A
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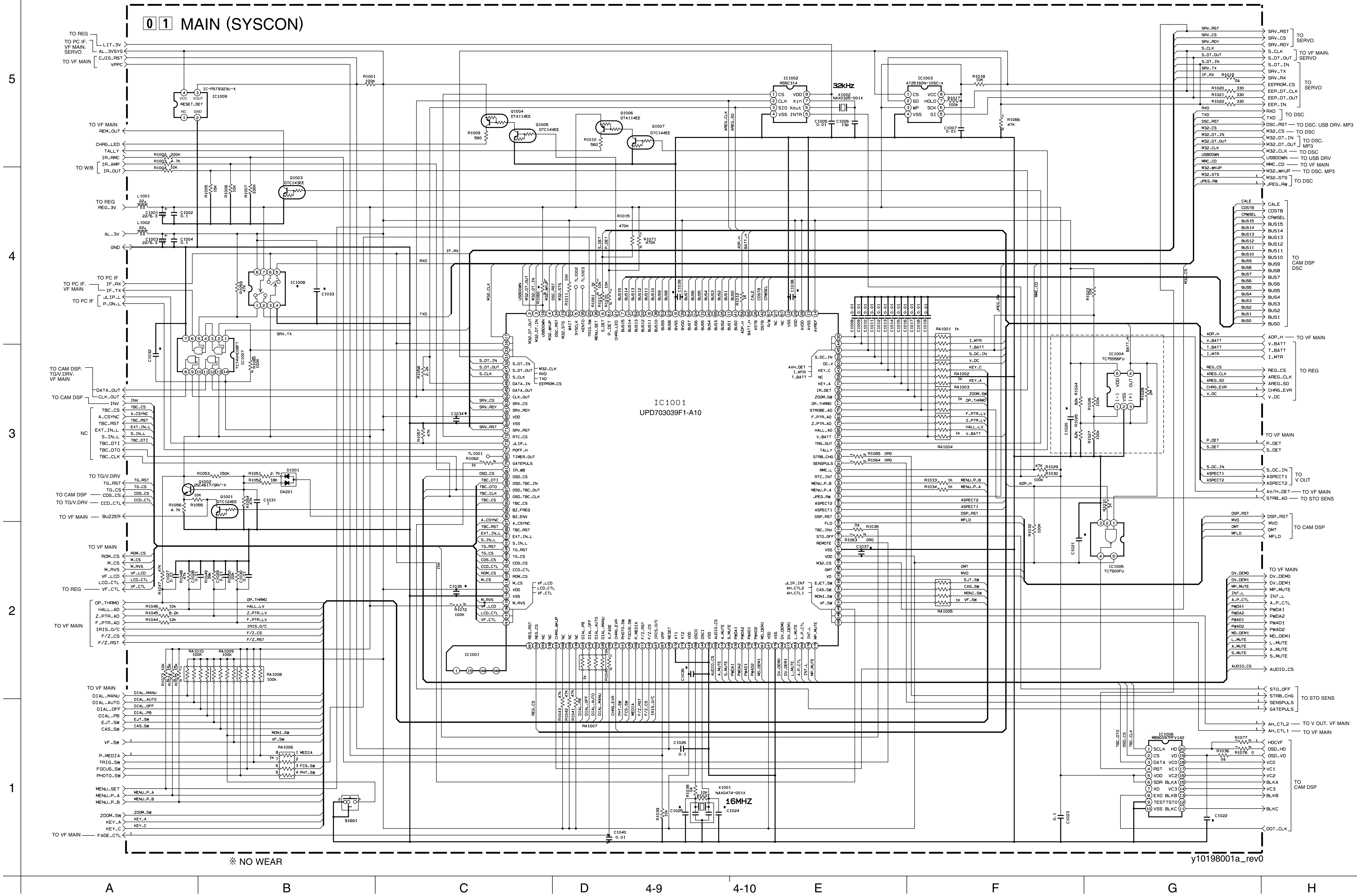
C
D
E
F
G
H

4.4 SYSCON SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



0 1 MAIN (SYSCON)
IC1001
UPD703039F1-A10
IC1002 R55C314
IC1003 AT25160N-10SC-x
IC1004 TC75S56FU
IC1005 TC7S00FU
IC1006 MB90097PFV142
IC1007 TC74VHC08FT
IC1008
IC1009 IC-PST9323U-X
Q1001 DTC124EE
Q1002 2SC4617/QR/-X
Q1003 DTC143EE
Q1004 DTA114EE
Q1005 DTC144EE
Q1006 DTA114EE
Q1007 DTC144EE
X1001 NAX0474-001X
16MHZ
X1002 NAX0325-001X
32kHz
S1001
D1001
DA221
TO REG
TO PC IF, VF MAIN, SERVO
TO VF MAIN
TO W/B
TO PC IF
TO CAM DSP, TG/V.DRV, VF MAIN
TO CAM DSP
NC
TO TG/V.DRV
TO SERVO
TO VF MAIN, SERVO
TO DSC
TO DSC, USB DRV, MP3
TO DSC, MP3
TO USB DRV
TO DSC, MP3
TO CAM DSP DSC
TO V OUT
TO STO SENS
TO V OUT, VF MAIN
LIT_3V
AL_3VSYS
CJIG_RST
VPPC
REM_OUT
CHRG_LED
TALLY
IR_RMC
IR_AMP
IR_OUT
REG_3V
AL_3V
GND
IF_RX
IF_TX
JLIP_L
P_ON_L
DATA_OUT
CLK_OUT
INV
TBC_CS
A_CSYNC
TBC_RST
EXT_IN_L
S_IN_L
TBC_DTI
TBC_DTO
TBC_CLK
TG_RST
TG_CS
CDS_CS
CCD_CTL
BUZZER
ROM_CS
M_CS
M_RVS
VF_LCD
LCD_CTL
VF_CTL
OP_THRMO
HALL_AD
Z_PTR_AD
F_PTR_AD
IRIS_O/C
F/Z_CS
F/Z_RST
DIAL_MANU
DIAL_AUTO
DIAL_OFF
DIAL_PB
EJT_SW
CAS_SW
VF_SW
P_MEDIA
TRIG_SW
FOCUS_SW
PHOTO_SW
MENU_SET
MENU_P_A
MENU_P_B
ZOOM_SW
KEY_A
KEY_C
FADE_CTL
SRV_RST
SRV_CS
SRV_RDY
S_CLK
S_DT_OUT
S_DT_IN
SRV_TX
SRV_RX
EEPROM_CS
EEP_DT_CLK
EEP_DT_OUT
EEP_IN
RXD
TXD
DSC_RST
M32_CS
M32_DT_IN
M32_DT_OUT
M32_CLK
USBDOWN
MMC_CD
M32_WKUP
M32_STS
JPEG_RW
CALE
CDSTB
CRWSEL
BUS15
BUS14
BUS13
BUS12
BUS11
BUS10
BUS9
BUS8
BUS7
BUS6
BUS5
BUS4
BUS3
BUS2
BUS1
BUS0
ADP_H
V_BATT
T_BATT
I_MTR
REG_CS
AREG_CLK
AREG_SO
CHRG_EVR
V_DC
P_DET
S_DET
S_DC_IN
ASPECT1
ASPECT2
AV/H_DET
STRB_AD
DSP_RST
MVD
OMT
MFLD
DV_DEM0
DV_DEM1
MP_MUTE
INT_L
A_P_CTL
PWDA1
PWDA2
PWAD1
PWAD2
MD_DEM1
L_MUTE
A_MUTE
S_MUTE
AUDIO_CS
STO_OFF
STRB_CHG
SENSPULS
GATEPULS
AH_CTL2
AH_CTL1
HDCVF
OSD_HD
OSD_VD
VC0
VC1
VC2
BLKA
VC3
BLKB
BLKC
DOT_CLK
RA1001
RA1002
RA1003
RA1004
RA1005
RA1006
RA1007
RA1008
RA1009
RA1010
A
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C
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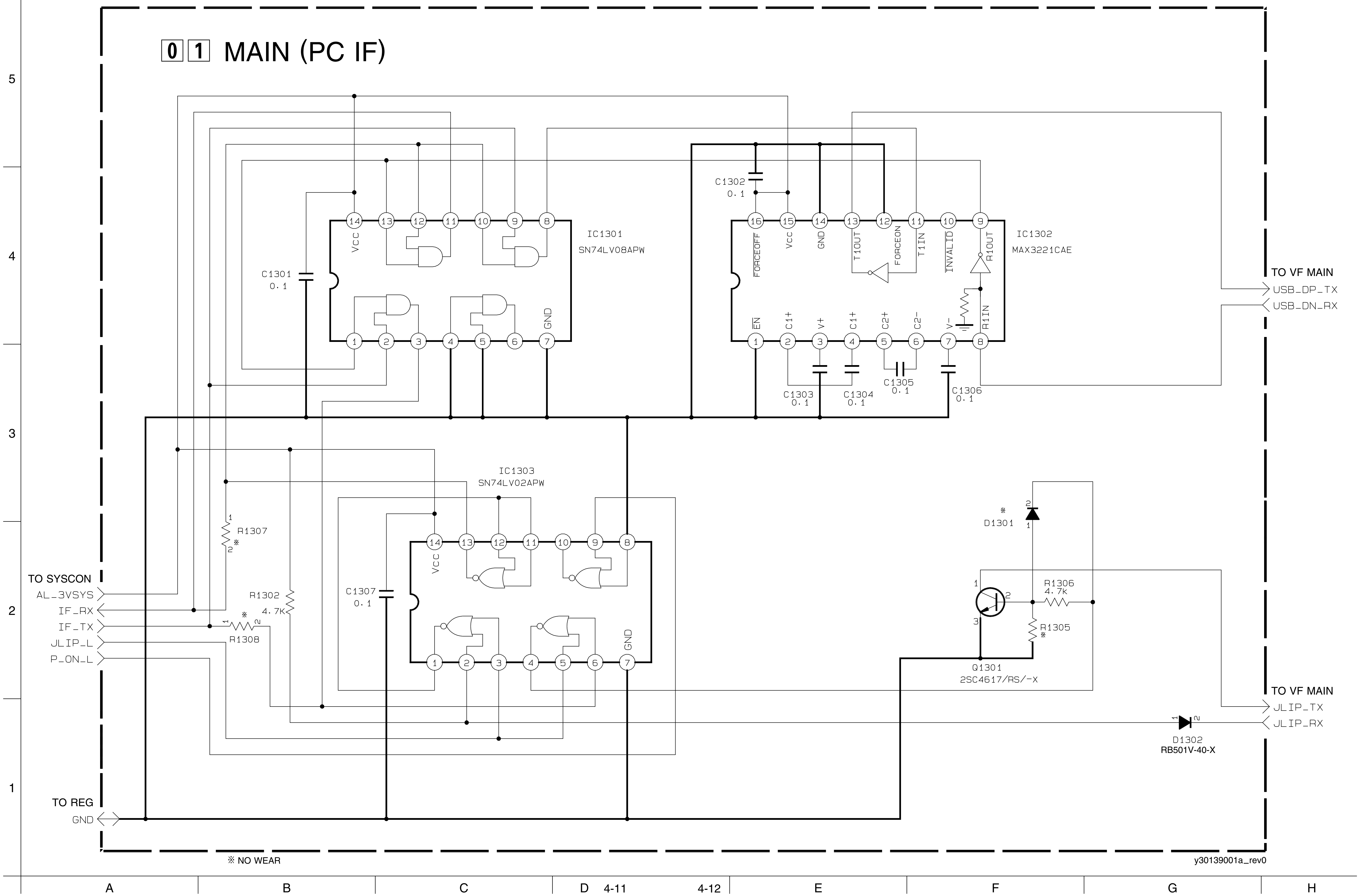
※ NO WEAR

y10198001a_rev0

4.5 PC IF SCHEMATIC DIAGRAM [GR-DVX44EG/EK]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



01 MAIN (PC IF)
IC1301
SN74LV08APW
IC1302
MAX3221CAE
IC1303
SN74LV02APW
Vcc
GND
FORCEOFF
T1OUT
FORCEON
T1IN
INVALID
R1OUT
EN
C1+
V+
C2+
C2-
V-
R1IN
C1301 0.1
C1302 0.1
C1303 0.1
C1304 0.1
C1305 0.1
C1306 0.1
C1307 0.1
R1302 4.7K
R1305 ※
R1306 4.7k
R1307 ※
R1308 ※
D1301 ※
D1302
RB501V-40-X
Q1301
2SC4617/RS/-X
TO SYSCON
AL_3VSYS
IF_RX
IF_TX
JLIP_L
P_ON_L
TO REG
GND
TO VF MAIN
USB_DP_TX
USB_DN_RX
TO VF MAIN
JLIP_TX
JLIP_RX
※ NO WEAR
y30139001a_rev0
A
B
C
D
E
F
G
H
1
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4
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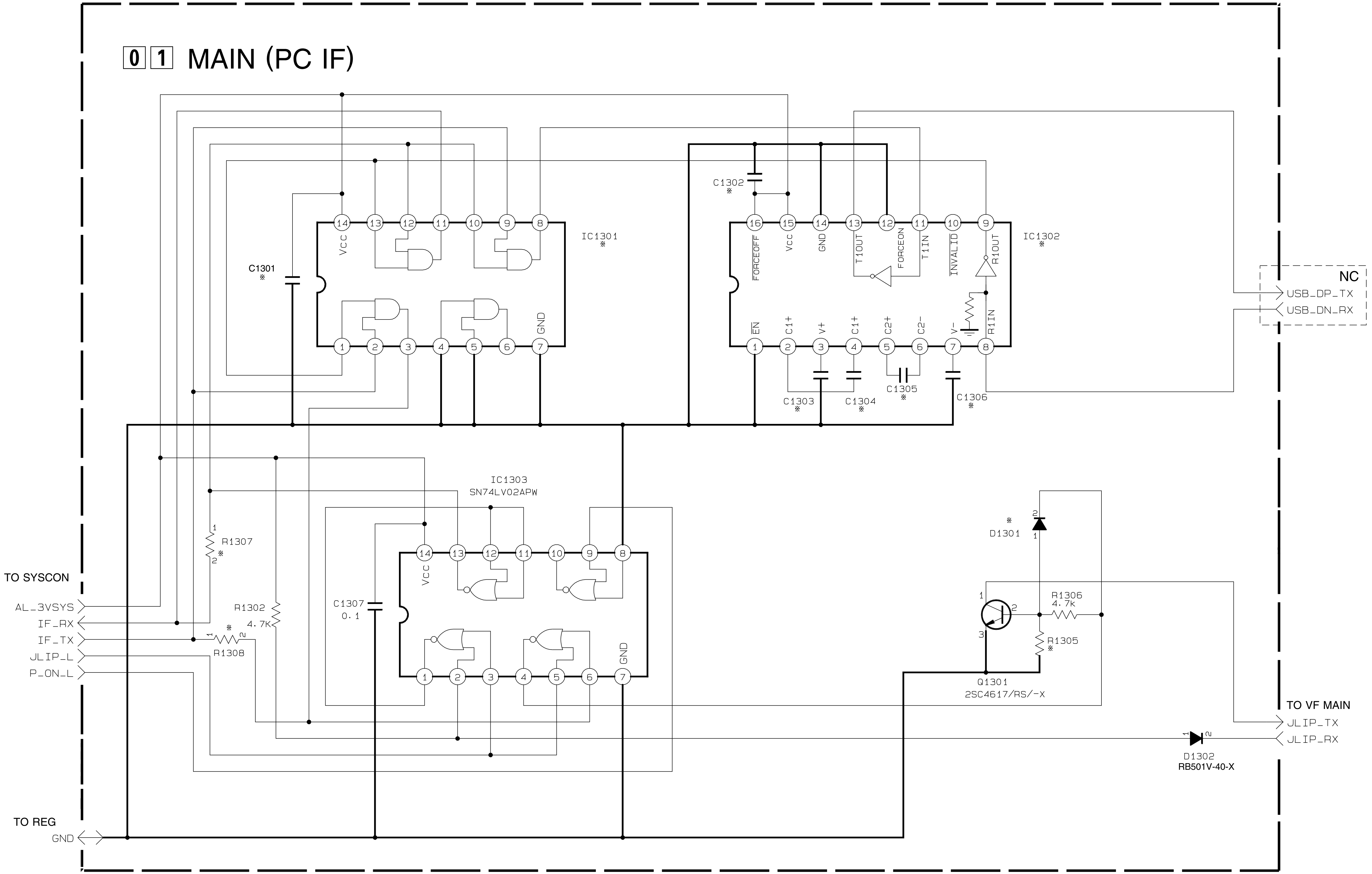
4.6 PC IF SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



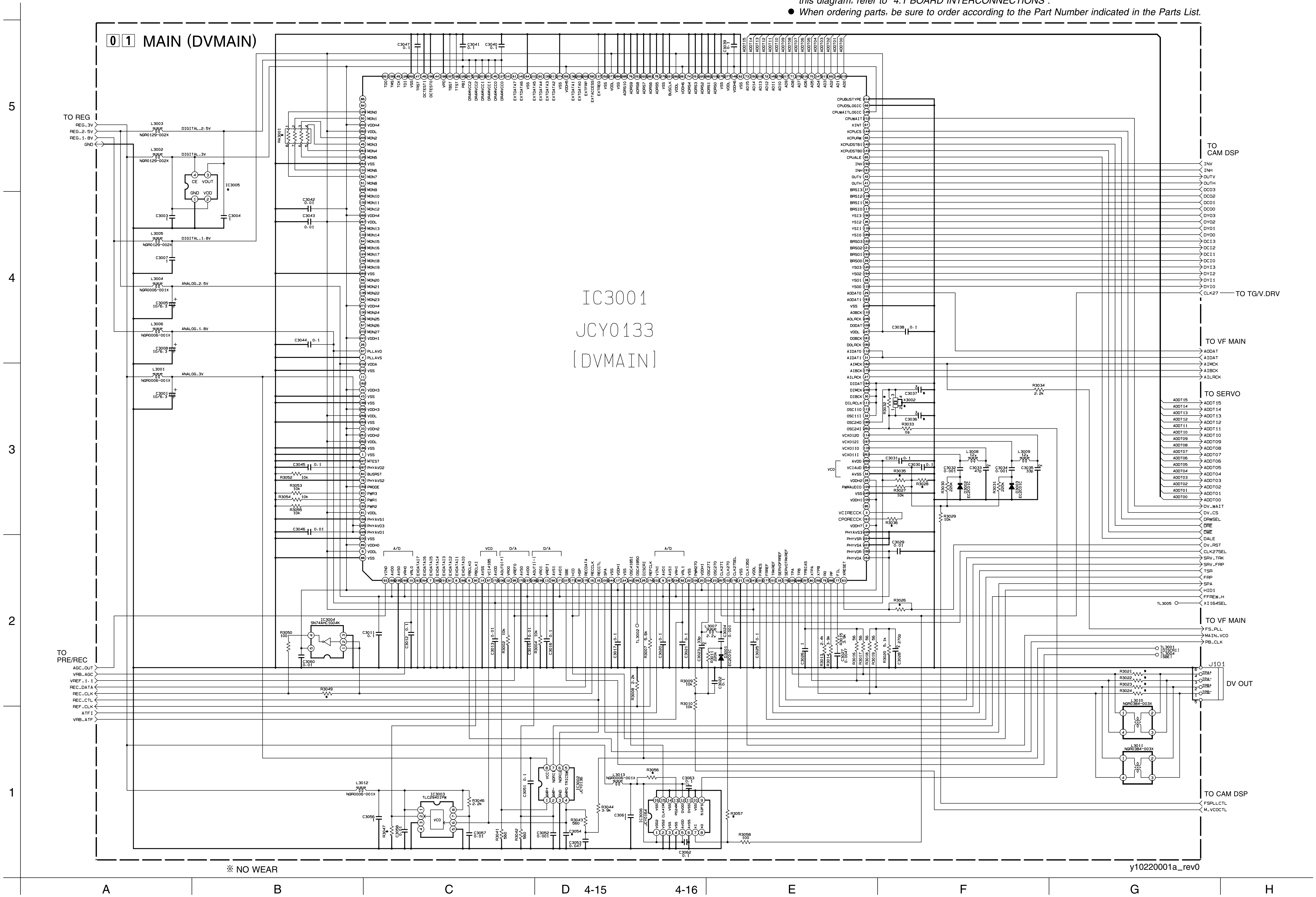
0 1 MAIN (PC IF)
IC1301 ※
C1301 ※
Vcc
GND
IC1302 ※
C1302 ※
FORCEOFF
Vcc
GND
T1OUT
FORCEON
T1IN
INVALID
R1OUT
EN
C1+
V+
C1+
C2+
C2-
V-
R1IN
C1303 ※
C1304 ※
C1305 ※
C1306 ※
NC
USB_DP_TX
USB_DN_RX
IC1303
SN74LV02APW
C1307
0.1
R1307 ※
R1302
4.7K
R1308 ※
TO SYSCON
AL_3VSYS
IF_RX
IF_TX
JLIP_L
P_ON_L
TO REG
GND
D1301 ※
R1306
4.7K
R1305 ※
Q1301
2SC4617/RS/-X
TO VF MAIN
JLIP_TX
JLIP_RX
D1302
RB501V-40-X

※ NO WEAR

y30128001a_rev0

4.7 DVMAIN SCHEMATIC DIAGRAM [GR-DVX44EG/EK]

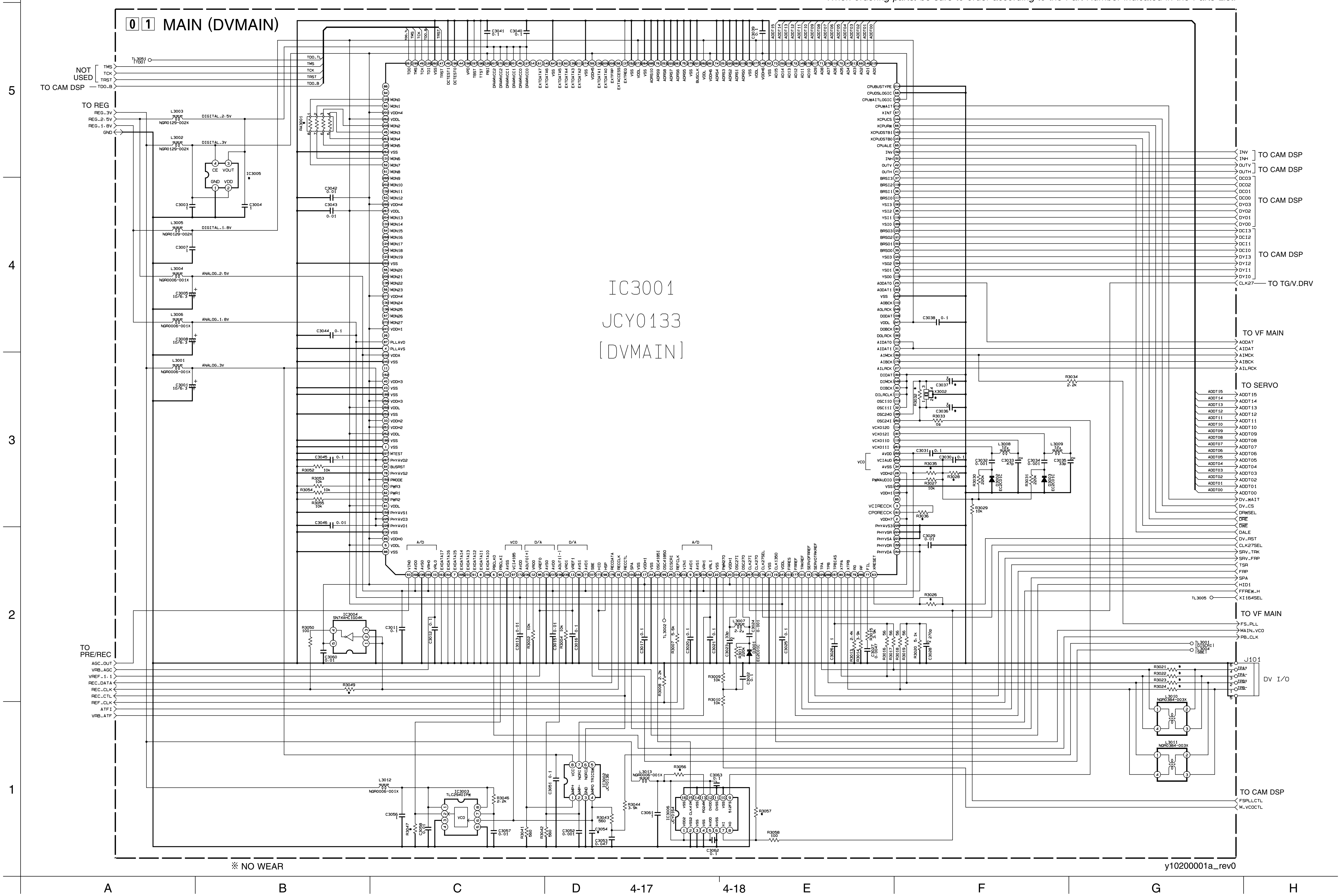
NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



01 MAIN (DVMAIN)
IC3001
JCY0133
[DVMAIN]
TO REG
REG_3V
REG_2.5V
REG_1.8V
GND
L3003 NQR0129-002X
L3002 NQR0129-002X
L3005 NQR0129-002X
L3004 NQR0006-001X
L3006 NQR0006-001X
L3001 NQR0006-001X
DIGITAL_2.5V
DIGITAL_3V
DIGITAL_1.8V
ANALOG_2.5V
ANALOG_1.8V
ANALOG_3V
IC3005
CE VOUT
GND VDD
RA3001
TO CAM DSP
INV
INH
OUTV
OUTH
DCO3
DCO2
DCO1
DCO0
DYO3
DYO2
DYO1
DYO0
DCI3
DCI2
DCI1
DCI0
DYI3
DYI2
DYI1
DYI0
CLK27
TO TG/V.DRV
TO VF MAIN
AODAT
AIDAT
AIMCK
AIBCK
AILRCK
TO SERVO
ADDT15
ADDT14
ADDT13
ADDT12
ADDT11
ADDT10
ADDT09
ADDT08
ADDT07
ADDT06
ADDT05
ADDT04
ADDT03
ADDT02
ADDT01
ADDT00
DV_WAIT
DV_CS
DRWSEL
ORE
OWE
DALE
DV_RST
CLK27SEL
SRV_TRK
SRV_FRP
TSR
FRP
SPA
HID1
FFREW_H
XI164SEL
TL3005
TO VF MAIN
FS_PLL
MAIN_VCO
PB_CLK
TL3001 DISCAI1
TL3004 SBE1
J101
TPA*
TPA-
TPB*
TPB-
DV OUT
R3021
R3022
R3023
R3024
L3010 NQR0384-003X
L3011 NQR0384-003X
TO CAM DSP
FSPLLCTL
M_VCOCTL
TO PRE/REC
AGC_OUT
VRB_AGC
VREF_1.1
REC_DATA
REC_CLK
REC_CTL
REF_CLK
ATFI
VRB_ATF
IC3004 SN74AHC1G04K
IC3003 TLC2940IPW
VCO
IC3002 JCY0136
IC3006 JCY0164
L3012 NQR0006-001X
L3013 NQR0006-001X
L3007
L3008
L3009
X3002
A/D
VCO
D/A
D/A
A/D
※ NO WEAR
y10220001a_rev0
A
B
C
D
E
F
G
H
1
2
3
4
5

4.8 DVMAIN SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]

NOTES :
- For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



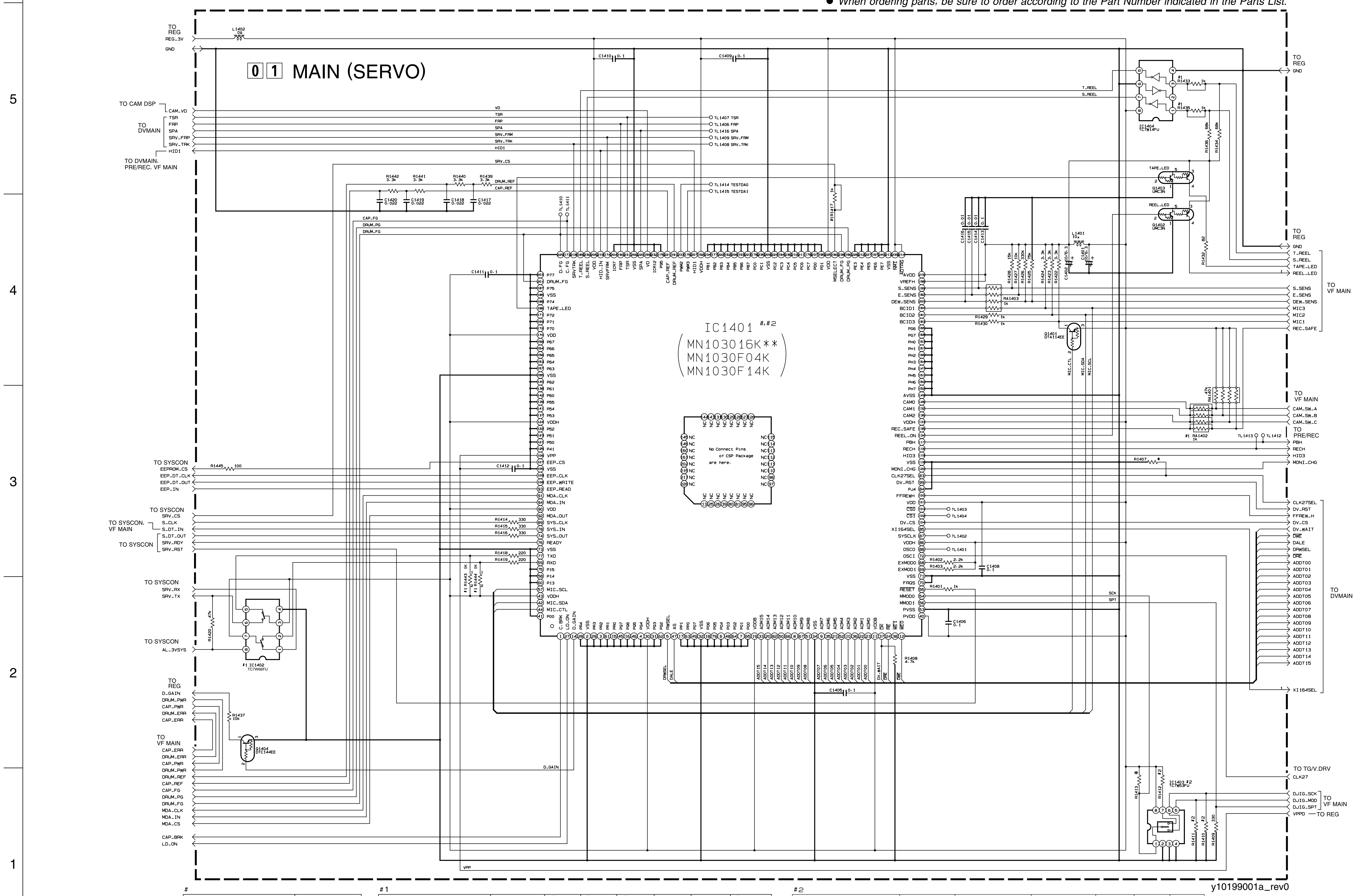
01 MAIN (DVMAIN)
NOT USED
TMS
TCK
TRST
TO CAM DSP
TDO_B
TO REG
REG_3V
REG_2.5V
REG_1.8V
GND
L3003 NQR0129-002X
DIGITAL_2.5V
L3002 NQR0129-002X
DIGITAL_3V
IC3005
CE VOUT
GND VDD
C3003
C3004
L3005 NQR0129-002X
DIGITAL_1.8V
C3007
L3004 NQR0006-001X
ANALOG_2.5V
C3005 10/6.3
L3006 NQR0006-001X
ANALOG_1.8V
C3008 10/6.3
L3001 NQR0006-001X
ANALOG_3V
C3001 10/6.3
RA3001
C3042 0.01
C3043 0.01
C3044 0.1
C3045 0.1
R3052 10k
R3053 10k
R3054 10k
R3055 10k
C3046 0.01
C3041 0.1
C3040 0.1
C3039 0.1
IC3001
JCY0133
[DVMAIN]
INV
INH
OUTV
OUTH
DCO3
DCO2
DCO1
DCO0
DYO3
DYO2
DYO1
DYO0
DCI3
DCI2
DCI1
DCI0
DYI3
DYI2
DYI1
DYI0
CLK27
TO TG/V.DRV
TO VF MAIN
AODAT
AIDAT
AIMCK
AIBCK
AILRCK
TO SERVO
ADDT15
ADDT14
ADDT13
ADDT12
ADDT11
ADDT10
ADDT09
ADDT08
ADDT07
ADDT06
ADDT05
ADDT04
ADDT03
ADDT02
ADDT01
ADDT00
DV_WAIT
DV_CS
DRWSEL
DRE
DWE
DALE
DV_RST
CLK27SEL
SRV_TRK
SRV_FRP
TSR
FRP
SPA
HID1
FFREW_H
XI164SEL
TL3005
FS_PLL
MAIN_VCO
PB_CLK
TL3001 DISCRI1
TL3004 SBE1
J101
TPA+
TPA-
TPB+
TPB-
DV I/O
R3021
R3022
R3023
R3024
L3010 NQR0384-003X
L3011 NQR0384-003X
TO CAM DSP
FSPLLCTL
M_VCOCTL
C3038 0.1
R3034 2.2k
X3002
R3032
C3037
C3036
R3033
C3031 0.1
C3030 0.1
R3035
R3028
R3027 10k
VCO
L3008 12μ
L3009 12μ
C3032 0.001
C3033 47p
C3034 0.001
C3035 33p
R3030 220k
R3031 220k
D3003 EC20C1C
D3002 EC20C1C
R3029 10k
R3036
C3029 0.01
R3026
A/D
VCO
D/A
D/A
A/D
TO PRE/REC
AGC_OUT
VRB_AGC
VREF_1.1
REC_DATA
REC_CLK
REC_CTL
REF_CLK
ATFI
VRB_ATF
IC3004 SN74AHC1G04K
R3050 100
C3060 0.01
C3011 0.1
C3010 0.1
R3049
C3013 0.01
R3002 10k
C3015 0.01
R3004 10k
C3016 0.1
C3017 0.1
TL3002
R3007 5.6k
C3020 0.1
C3021 0.1
L3007 2.2μ
C3024 0.001
C3023 330
R3011 100k
D3001 EC20C1C
R3009 10k
C3022 0.1
R3010 10k
R3008 2.2k
C3026 0.1
C3025 1
R3013 2.4k
R3014 3.9k
R3015 3.9k
C3027 0.0047
R3016 56
R3017 56
R3018 56
R3019 56
R3020 5.1k
C3028 270p
L3012 NQR0006-001X
IC3003 TLC2940IPW
VCO
R3046 2.2k
C3056
R3047
C3058
C3057 0.01
R3041 560
R3042 560
C3051 0.1
C3052 0.001
IC3002 JCY0156
C3054
R3043 560
C3053 0.047
R3044 3.9k
L3013 NQR0006-001X
R3056
C3063 0.1
C3061
IC3006 JCY0154
R3057
R3058 100
C3062 0.1
A
B
C
D
E
F
G
H
1
2
3
4
5

※ NO WEAR

y10200001a_rev0

4.9 SERVO SCHEMATIC DIAGRAM

NOTES :
- For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



01 MAIN (SERVO)
IC1401 #,#2
MN103016K**
MN1030F04K
MN1030F14K
No Connect Pins of CSP Package are here.
TO REG
TO CAM DSP
TO DVMAIN
TO DVMAIN, PRE/REC, VF MAIN
TO SYSCON
TO SYSCON, VF MAIN
TO VF MAIN
TO PRE/REC
TO TG/V.DRV
TO REG
IC1402 TC7W66FU
IC1403 TC7W53FU
IC1404 TC7S14FU
Q1401 DTA114EE
Q1402 UMC3N
Q1403 UMC3N
Q1404 DTC144EE
L1401
L1402
CAM_VD
TSR
FRP
SPA
SRV_FRP
SRV_TRK
HID1
EEPROM_CS
EEP_DT_CLK
EEP_DT_OUT
EEP_IN
SRV_CS
S_CLK
S_DT_IN
S_DT_OUT
SRV_RDY
SRV_RST
SRV_RX
SRV_TX
AL_3VSYS
D_GAIN
DRUM_PWR
CAP_PWR
DRUM_ERR
CAP_ERR
DRUM_REF
CAP_REF
CAP_FG
DRUM_PG
DRUM_FG
MDA_CLK
MDA_IN
MDA_CS
CAP_BRK
LD_ON
T_REEL
S_REEL
TAPE_LED
REEL_LED
S_SENS
E_SENS
DEW_SENS
MIC3
MIC2
MIC1
REC_SAFE
CAM_SW_A
CAM_SW_B
CAM_SW_C
PBH
RECH
HID3
MONI_CHG
CLK27SEL
DV_RST
FFREW_H
DV_CS
DV_WAIT
DALE
DRWSEL
ADDT00
ADDT15
XI164SEL
CLK27
DJIG_SCK
DJIG_MOD
DJIG_SPT
VPPD
TO REG
VPP

y10199001a_rev0

#

MODEL	IC1401
GR-DVX44EG/EK	YQ44887A
GR-DVX77EG/EK, DVX88EG	YQ44888A

#1

MODEL	IC1402	R1417	R1443	R1435	R1443	R1444	R1402
GR-DVX44EG/EK	TC7W66FU	1k	1k	1k	NONE	NONE	1k
GR-DVX77EG/EK, DVX88EG	NONE	NONE	NONE	NONE	1k	1k	NONE

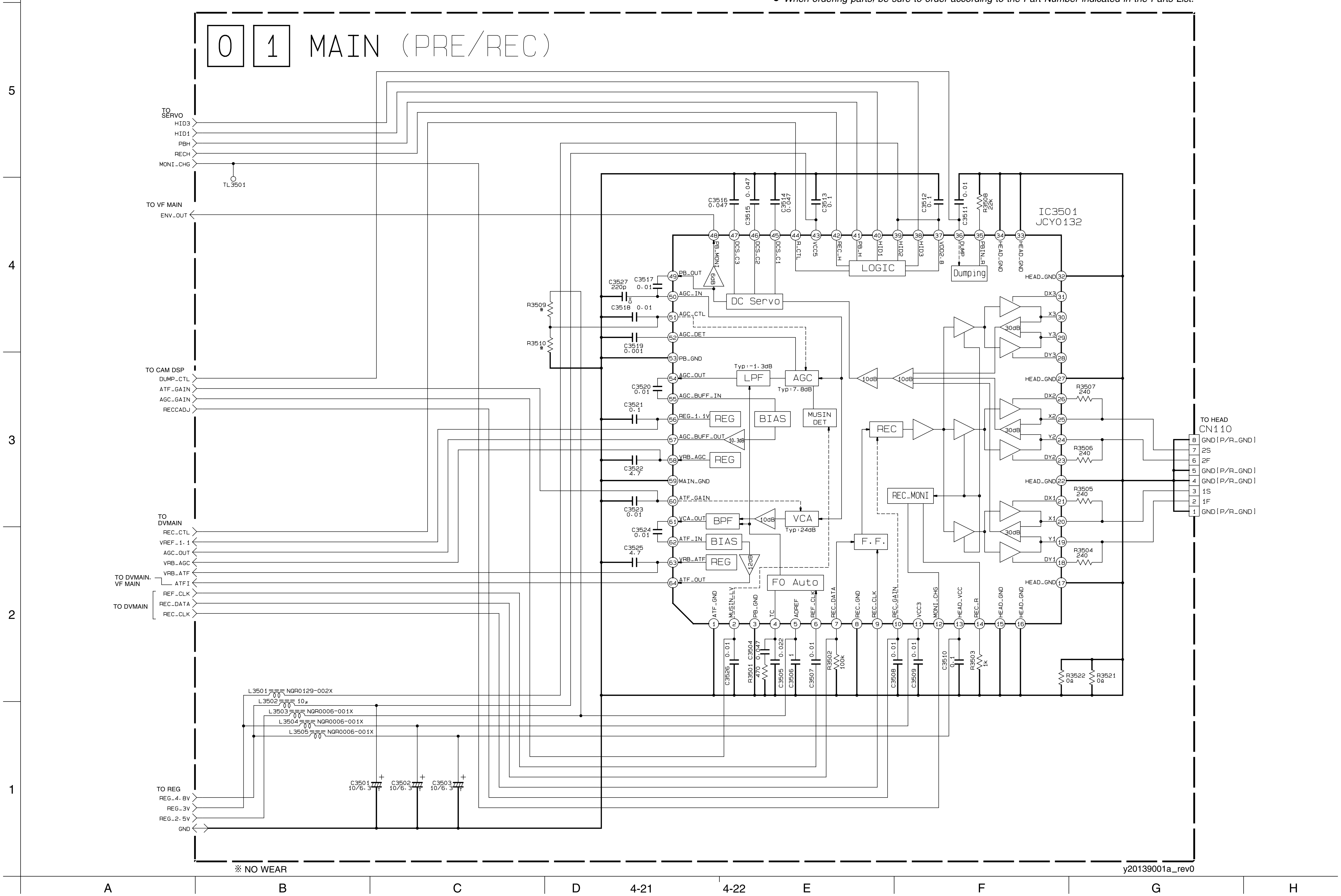
#2

MODEL	ROMTYPE	IC1401	IC1403	R1410	R1411	R1412
GR-DVX44EG/EK	FLASH	MN1030F04KYBJN	TC7W53FU	330	47k	330
	MASK	MN10316KJN	NONE	NONE	NONE	NONE
GR-DVX77EG/EK, DVX88EG	FLASH	MN1030F04KYBJP	TC7W53FU	330	47k	330
	MASK	MN10316KJP	NONE	NONE	NONE	NONE

※ NO WEAR

4.10 PRE/REC SCHEMATIC DIAGRAM

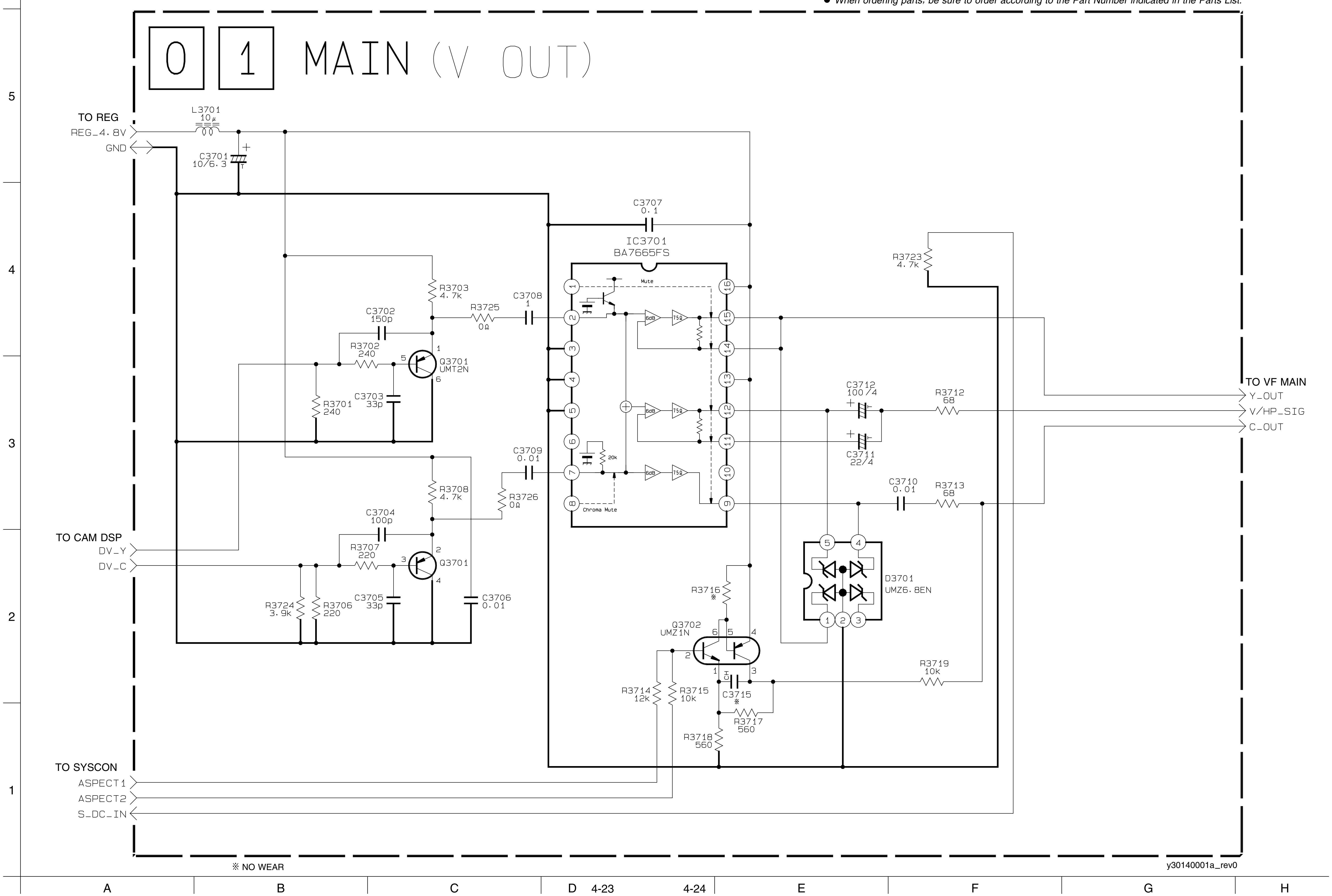
NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



0 1 MAIN (PRE/REC)
TO SERVO
HID3
HID1
PBH
RECH
MONI_CHG
TL3501
TO VF MAIN
ENV_OUT
TO CAM DSP
DUMP_CTL
ATF_GAIN
AGC_GAIN
RECCADJ
TO DVMAIN
REC_CTL
VREF_1.1
AGC_OUT
VRB_AGC
VRB_ATF
TO DVMAIN, VF MAIN
ATFI
TO DVMAIN
REF_CLK
REC_DATA
REC_CLK
TO REG
REG_4.8V
REG_3V
REG_2.5V
GND
L3501 NQR0129-002X
L3502 10µ
L3503 NQR0006-001X
L3504 NQR0006-001X
L3505 NQR0006-001X
C3501 10/6.3
C3502 10/6.3
C3503 10/6.3
R3509 ※
R3510 ※
C3527 220p
C3517 0.01
C3518 0.01
C3519 0.001
C3520 0.01
C3521 0.1
C3522 4.7
C3523 0.01
C3524 0.01
C3525 4.7
C3516 0.047
C3515 0.047
C3514 0.047
C3513 0.1
C3512 0.1
C3511 0.01
R3508 22k
IC3501 JCY0132
PB_MONI
DCS_C3
DCS_C2
DCS_C1
R_CTL
VCC5
REC_H
PB_H
HID1
HID2
HID3
VDD2.8
DUMP
PBIN_R
HEAD_GND
LOGIC
Dumping
PB_OUT
6dB
AGC_IN
DC Servo
AGC_CTL
AGC_DET
PB_GND
AGC_OUT
Typ:-1.3dB
LPF
AGC
Typ:7.8dB
AGC_BUFF_IN
REG_1.1V
REG
BIAS
MUSIN DET
AGC_BUFF_OUT
10.3dB
VRB_AGC
MAIN_GND
ATF_GAIN
VCA_OUT
BPF
10dB
VCA
Typ:24dB
ATF_IN
VRB_ATF
12dB
ATF_OUT
F0 Auto
F.F.
REC
REC_MONI
10dB
30dB
HEAD_GND
DX3
X3
Y3
DY3
DX2
X2
Y2
DY2
DX1
X1
Y1
DY1
R3507 240
R3506 240
R3505 240
R3504 240
ATF_GND
MUSIN_LV
PB_GND
IC
ADREF
REF_CLK
REC_DATA
REC_GND
REC_CLK
REC_GAIN
VCC3
MONI_CHG
HEAD_VCC
REC_R
HEAD_GND
C3526 0.01
R3501 470
C3504 0.047
C3505 0.022
C3506 1
C3507 0.01
R3502 100k
C3508 0.01
C3509 0.01
C3510 0.1
R3503 1k
R3522 0Ω
R3521 0Ω
TO HEAD
CN110
8 GND[P/R_GND]
7 2S
6 2F
5 GND[P/R_GND]
4 GND[P/R_GND]
3 1S
2 1F
1 GND[P/R_GND]
※ NO WEAR
y20139001a_rev0
5
4
3
2
1
A
B
C
D
E
F
G
H

4.11 V OUT SCHEMATIC DIAGRAM [GR-DVX44EG/EK]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



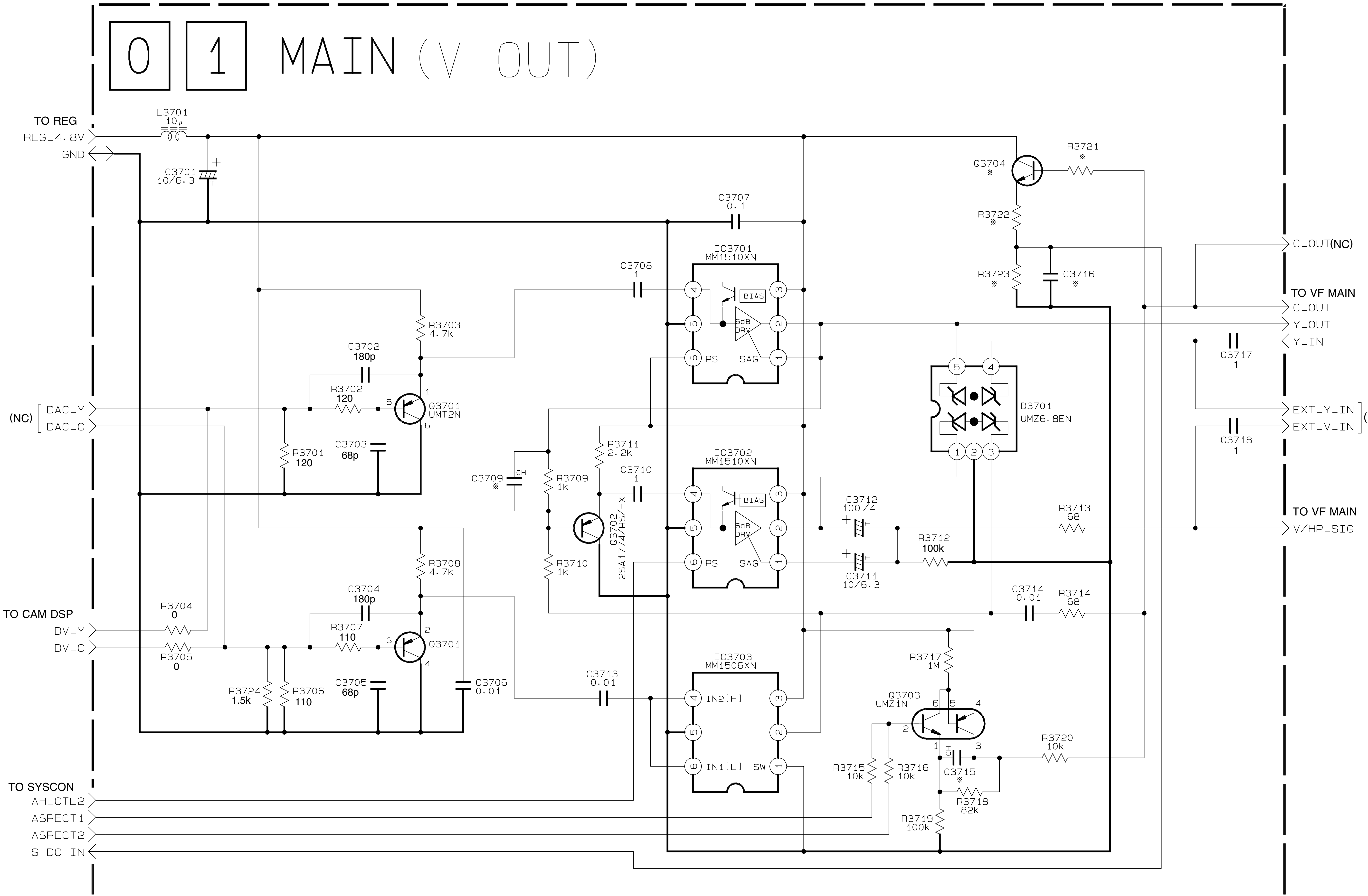
0 1 MAIN (V OUT)
TO REG
REG_4.8V
GND
L3701 10μ
C3701 10/6.3
C3707 0.1
IC3701 BA7665FS
Mute
6dB
75Ω
20k
Chroma Mute
R3703 4.7k
C3708 1
R3725 0Ω
C3702 150p
R3702 240
Q3701 UMT2N
R3701 240
C3703 33p
C3709 0.01
R3708 4.7k
R3726 0Ω
C3704 100p
R3707 220
Q3701
R3724 3.9k
R3706 220
C3705 33p
C3706 0.01
TO CAM DSP
DV_Y
DV_C
R3723 4.7k
C3712 100/4
R3712 68
C3711 22/4
C3710 0.01
R3713 68
TO VF MAIN
Y_OUT
V/HP_SIG
C_OUT
D3701 UMZ6.8EN
R3716 ※
Q3702 UMZ1N
C3715 ※
R3714 12k
R3715 10k
R3717 560
R3718 560
R3719 10k
TO SYSCON
ASPECT1
ASPECT2
S_DC_IN
1
2
3
4
5
A
B
C
D
E
F
G
H

※ NO WEAR

y30140001a_rev0

4.12 V OUT SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



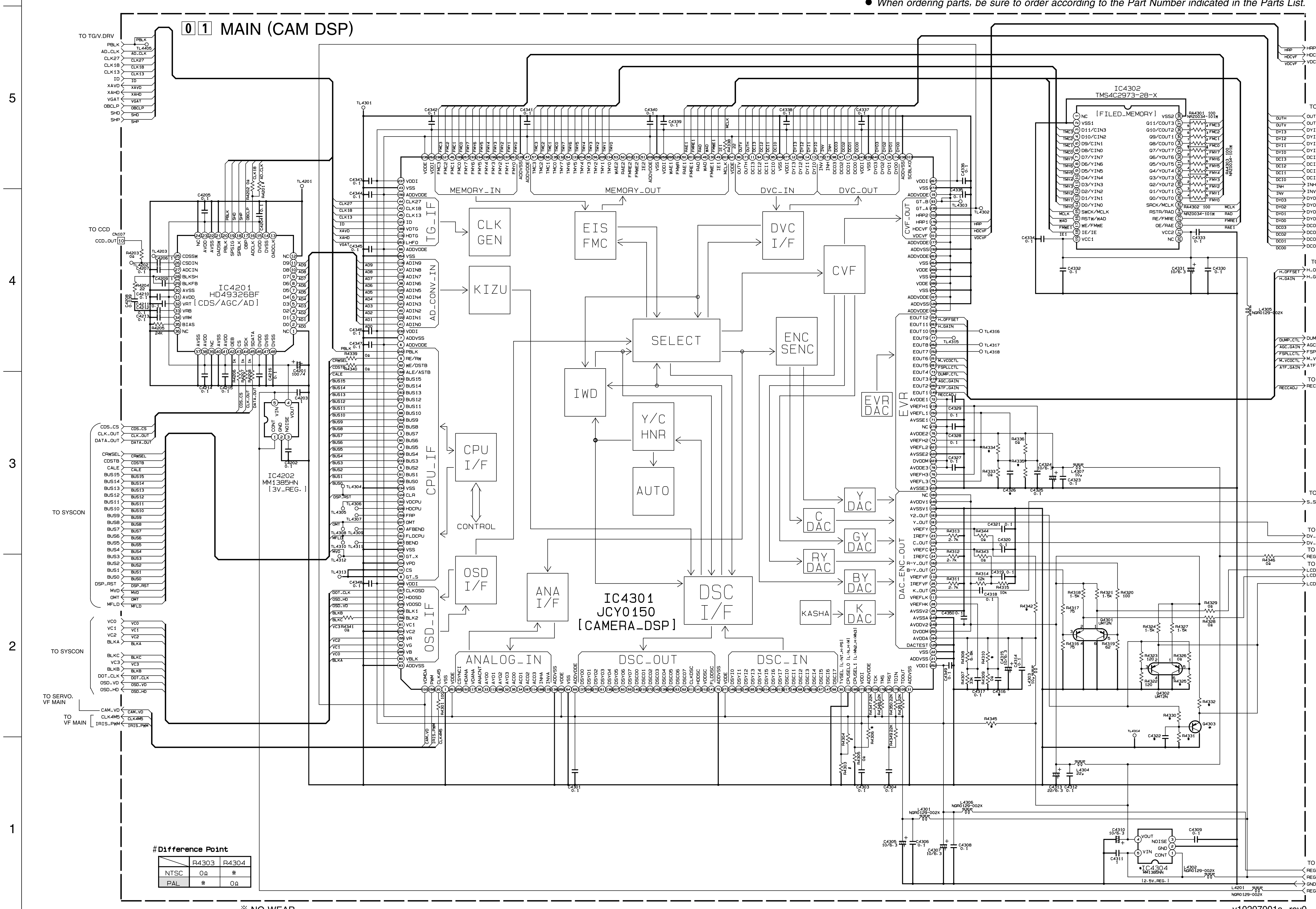
0 1 MAIN (V OUT)
TO REG
REG_4.8V
GND
L3701 10µ
C3701 10/6.3
C3707 0.1
C3708 1
IC3701 MM1510XN
BIAS
6dB DRV
PS
SAG
R3703 4.7k
C3702 180p
R3702 120
Q3701 UMT2N
(NC)
DAC_Y
DAC_C
R3701 120
C3703 68p
C3709 ※ CH
R3709 1k
R3711 2.2k
C3710 1
Q3702 2SA1774/RS/-X
R3710 1k
IC3702 MM1510XN
C3712 100/4
C3711 10/6.3
R3712 100k
R3713 68
R3708 4.7k
C3704 180p
R3707 110
Q3701
TO CAM DSP
DV_Y
DV_C
R3704 0
R3705 0
R3724 1.5k
R3706 110
C3705 68p
C3706 0.01
C3713 0.01
IC3703 MM1506XN
IN2[H]
IN1[L]
SW
C3714 0.01
R3714 68
Q3704 ※
R3721 ※
R3722 ※
R3723 ※
C3716 ※
D3701 UMZ6.8EN
R3717 1M
Q3703 UMZ1N
R3715 10k
R3716 10k
C3715 ※ CH
R3718 82k
R3719 100k
R3720 10k
C3717 1
C3718 1
C_OUT(NC)
TO VF MAIN
C_OUT
Y_OUT
Y_IN
EXT_Y_IN
EXT_V_IN
(NC)
TO VF MAIN
V/HP_SIG
TO SYSCON
AH_CTL2
ASPECT1
ASPECT2
S_DC_IN

※ NO WEAR

y30129001a_rev0

4.13 CAM DSP SCHEMATIC DIAGRAM [GR-DVX44EG/EK]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*


01 MAIN (CAM DSP)
TO TG/V.DRV
TO CCD
TO SYSCON
TO SERVO, VF MAIN
TO VF MAIN
TO DVMAIN
TO PRE/REC
TO V OUT
TO REG
IC4201
HD49326BF
[CDS/AGC/AD]
IC4202
MM1385HN
[3V_REG.]
IC4301
JCY0150
[CAMERA_DSP]
IC4302
TMS4C2973-28-X
[FILED_MEMORY]
IC4304
MM1385NN
[2.5V_REG.]
TG_IF
CLK GEN
AD_CONV_IN
KIZU
CPU_IF
CPU I/F
CONTROL
OSD_IF
OSD I/F
ANA I/F
EIS FMC
SELECT
IWD
Y/C HNR
AUTO
DSC I/F
DVC I/F
CVF
ENC SENC
EVR DAC
EVR
CVF_OUT
Y DAC
C DAC
GY DAC
RY DAC
BY DAC
K DAC
KASHA
DAC_ENC_OUT
MEMORY_IN
MEMORY_OUT
DVC_IN
DVC_OUT
ANALOG_IN
DSC_OUT
DSC_IN
Q4301 UMT2N
Q4302 UMT2N
Q4303
1
2
3
4
5

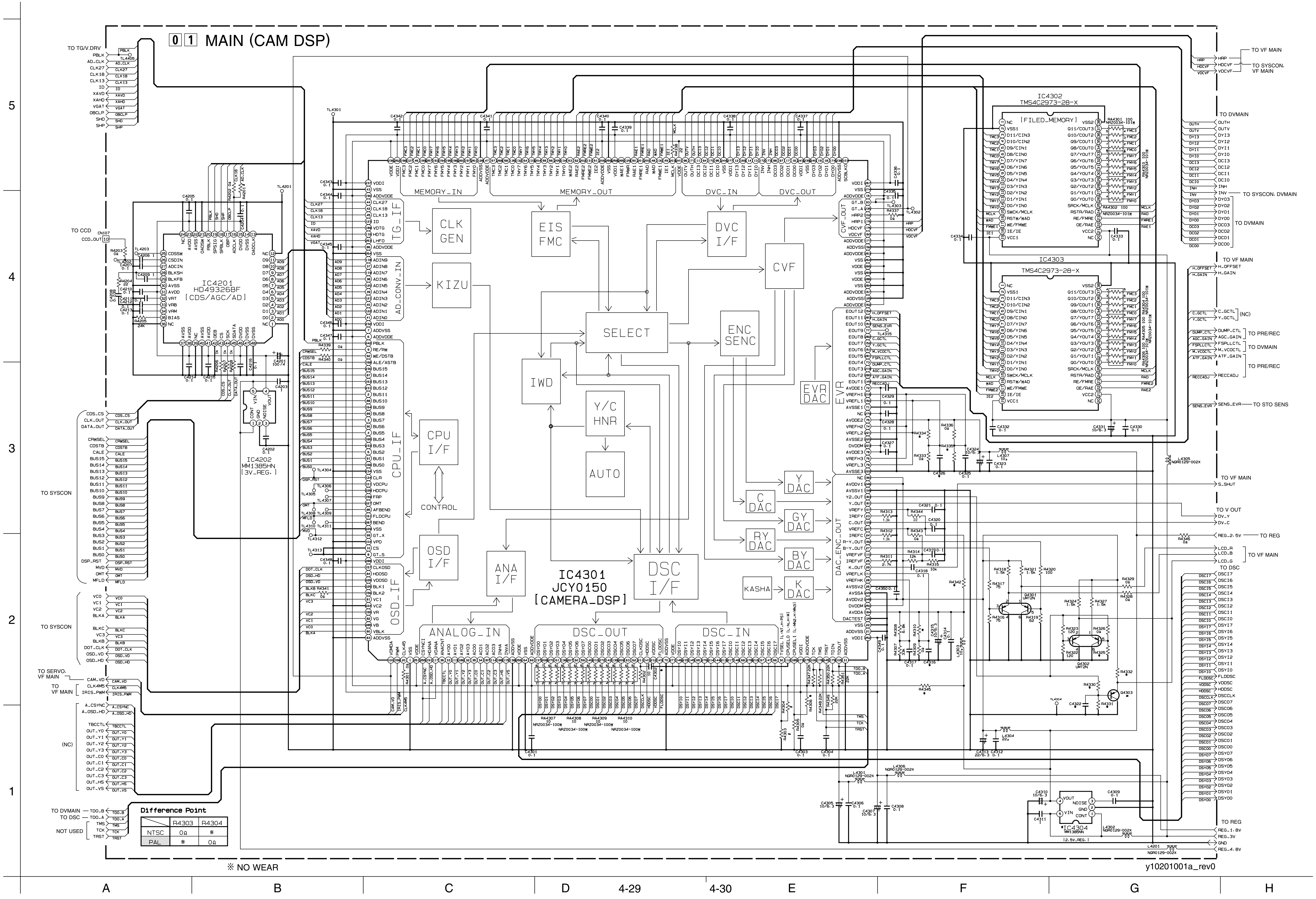
Difference Point

	R4303	R4304
NTSC	0Ω	※
PAL	※	0Ω

※ NO WEAR

y10207001a_rev0

4.14 CAM DSP SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]


0 1 MAIN (CAM DSP)
IC4301
JCY0150
[CAMERA_DSP]
IC4201
HD49326BF
[CDS/AGC/AD]
IC4202
MM1385HN
[3V_REG.]
IC4302
TMS4C2973-28-X
[FILED_MEMORY]
IC4303
TMS4C2973-28-X
IC4304
MM1385NN
[2.5V_REG.]
TG_IF
CLK GEN
AD_CONV_IN
KIZU
CPU_IF
CPU I/F
CONTROL
OSD_IF
OSD I/F
ANA I/F
ANALOG_IN
DSC_OUT
DSC_IN
DSC I/F
MEMORY_IN
MEMORY_OUT
EIS FMC
DVC I/F
DVC_IN
DVC_OUT
CVF
CVF_OUT
SELECT
IWD
Y/C HNR
AUTO
ENC SENC
EVR DAC
EVR
Y DAC
C DAC
GY DAC
RY DAC
BY DAC
K DAC
KASHA
DAC_ENC_OUT
TO TG/V.DRV
TO CCD
TO SYSCON
TO SERVO, VF MAIN
TO VF MAIN
(NC)
TO DVMAIN
TO DSC
NOT USED
TO SYSCON, VF MAIN
TO SYSCON, DVMAIN
TO PRE/REC
TO STO SENS
TO V OUT
TO REG
A
B
C
D
E
F
G
H
1
2
3
4
5

Difference Point

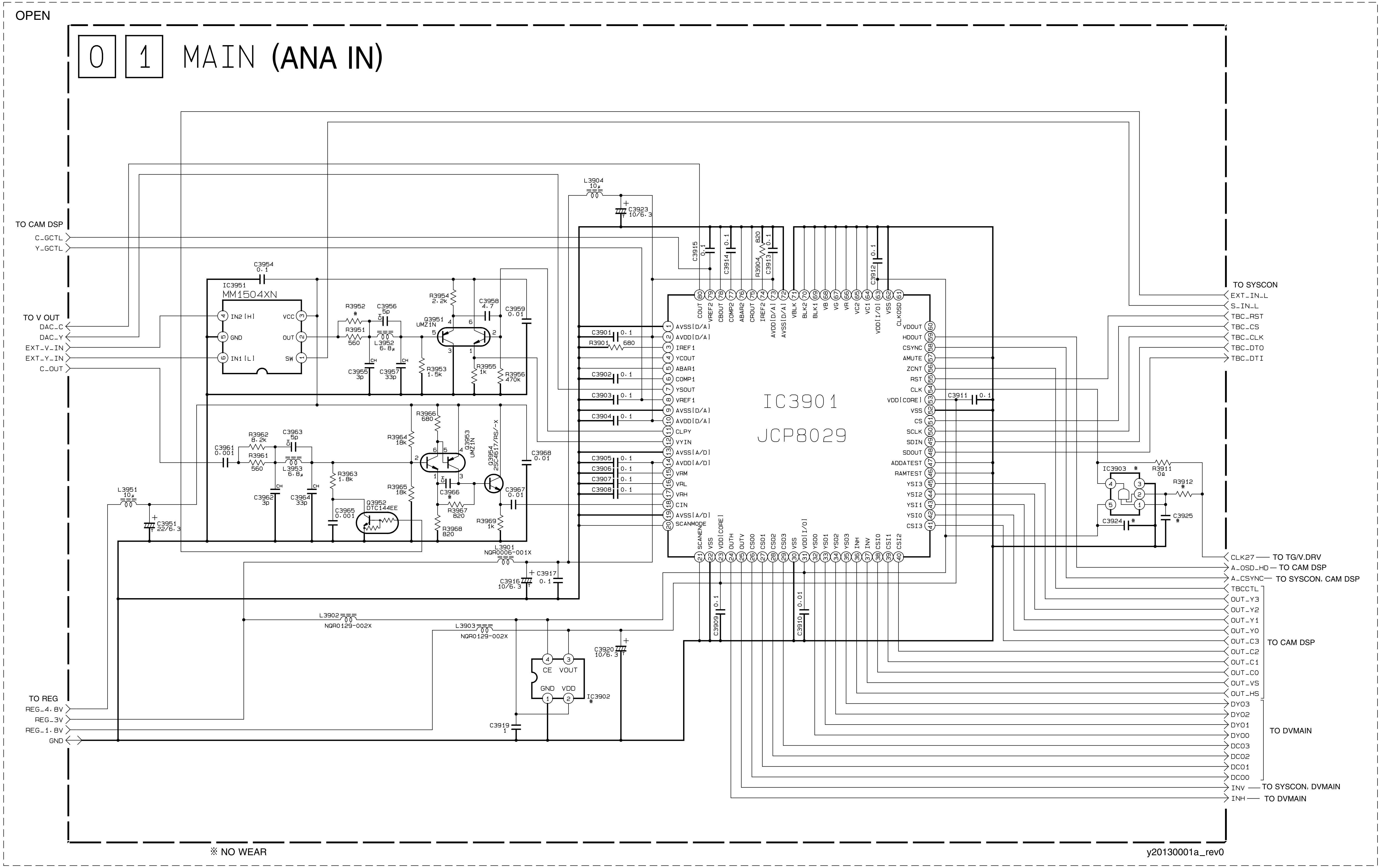
	R4303	R4304
NTSC	0Ω	※
PAL	※	0Ω

※ NO WEAR

y10201001a_rev0

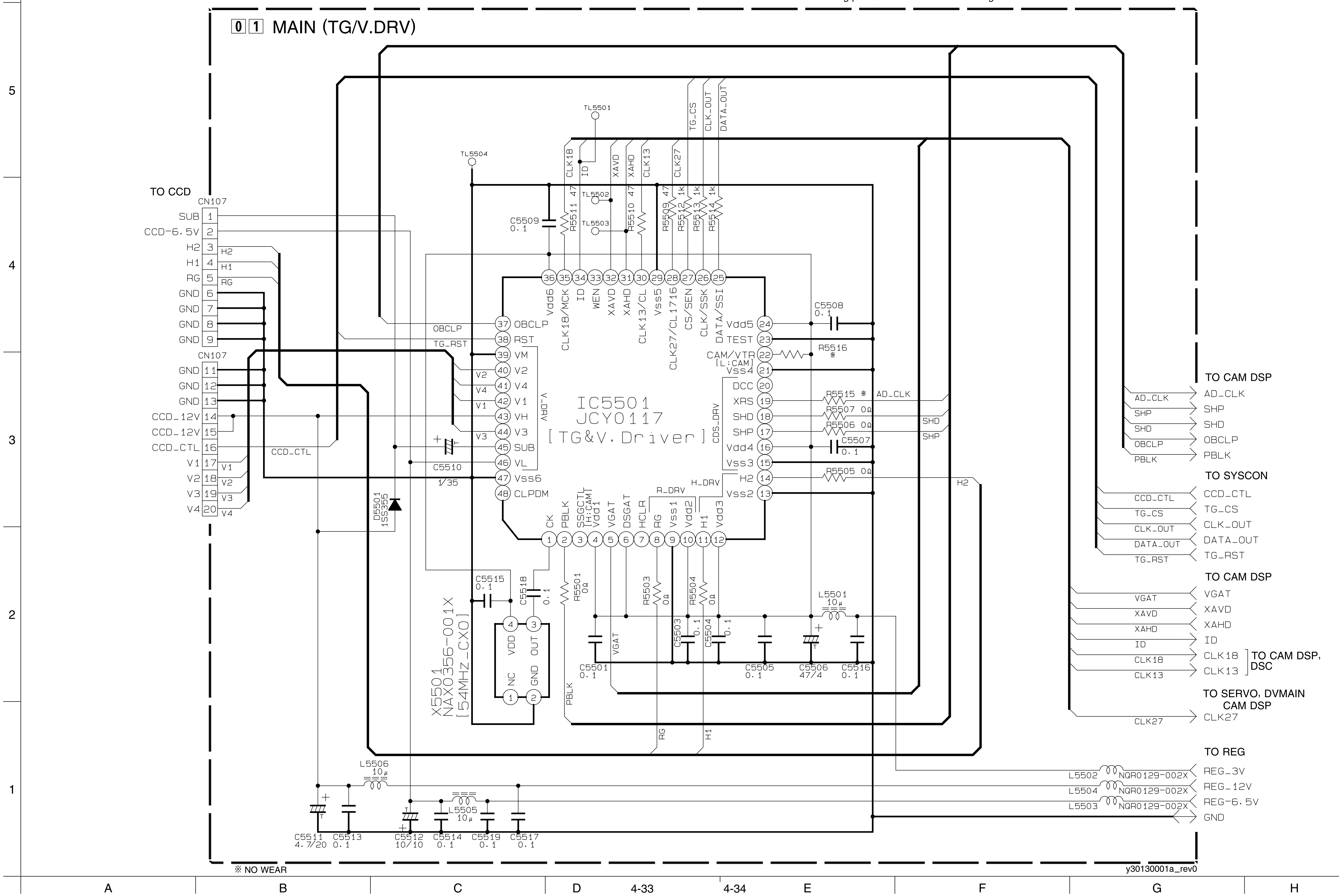
4.15 ANA IN SCHEMATIC DIAGRAM [THIS SCHEMATIC DIAGRAM IS NOT USED]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*


OPEN
0 1 MAIN (ANA IN)
TO CAM DSP
C_GCTL
Y_GCTL
TO V OUT
DAC_C
DAC_Y
EXT_V_IN
EXT_Y_IN
C_OUT
IC3951
MM1504XN
IN2(H)
GND
IN1(L)
VCC
OUT
SW
C3954 0.1
R3952 ※
C3956 5p
R3951 560
L3952 6.8µ
C3955 3p
C3957 33p
R3954 2.2k
Q3951 UMZ1N
C3958 4.7
C3959 0.01
R3953 1.5k
R3955 1k
R3956 470k
R3966 680
R3964 18k
Q3953 UMZ1N
Q3954 2SC4617(RS)-X
C3968 0.01
R3962 8.2k
C3963 5p
C3961 0.001
R3961 560
L3953 6.8µ
R3963 1.8k
C3962 3p
C3964 33p
C3965 0.001
Q3952 DTC144EE
R3965 18k
C3966 ※
R3967 820
R3968 820
R3969 1k
C3967 0.01
L3951 10µ
C3951 22/6.3
L3901 NQR0006-001X
C3916 10/6.3
C3917 0.1
L3902 NQR0129-002X
L3903 NQR0129-002X
C3920 10/6.3
IC3902 ※
CE
VOUT
GND
VDD
C3919 1
L3904 10µ
C3923 10/6.3
C3915 0.1
C3914 0.1
R3904 820
C3913 0.1
C3912 0.1
C3901 0.1
R3901 680
C3902 0.1
C3903 0.1
C3904 0.1
C3905 0.1
C3906 0.1
C3907 0.1
C3908 0.1
C3911 0.1
C3909 0.1
C3910 0.01
IC3901
JCP8029
AVSS(D/A)
AVDD(D/A)
IREF1
YCOUT
ABAR1
COMP1
YSOUT
VREF1
AVSS(D/A)
AVDD(D/A)
CLPY
VYIN
AVSS(A/D)
AVDD(A/D)
VRM
VRL
VRH
CIN
AVSS(A/D)
SCANMODE
COUT
VREF2
CBOUT
COMP2
ABAR2
CROUT
IREF2
AVDD(D/A)
AVSS(D/A)
VBLK
BLK2
BLK1
VB
VG
VR
VC2
VC1
VDD(I/O)
VSS
CLKOSD
VDOUT
HDOUT
CSYNC
AMUTE
ZCNT
RST
CLK
VDD(CORE)
VSS
CS
SCLK
SDIN
SDOUT
ADDATEST
RAMTEST
YSI3
YSI2
YSI1
YSI0
CSI3
SCANEN
VSS
VDD(CORE)
OUTH
OUTV
CSO0
CSO1
CSO2
CSO3
VSS
VDD(I/O)
YSO0
YSO1
YSO2
YSO3
INH
INV
CSI0
CSI1
CSI2
IC3903 ※
R3911 0Ω
R3912 ※
C3924 ※
C3925 ※
TO SYSCON
EXT_IN_L
S_IN_L
TBC_RST
TBC_CS
TBC_CLK
TBC_DTO
TBC_DTI
CLK27 — TO TG/V.DRV
A_OSD_HD — TO CAM DSP
A_CSYNC — TO SYSCON, CAM DSP
TBCCTL
OUT_Y3
OUT_Y2
OUT_Y1
OUT_Y0
OUT_C3
OUT_C2
OUT_C1
OUT_C0
OUT_VS
OUT_HS
TO CAM DSP
DYO3
DYO2
DYO1
DYO0
DCO3
DCO2
DCO1
DCO0
TO DVMAIN
INV — TO SYSCON, DVMAIN
INH — TO DVMAIN
TO REG
REG_4.8V
REG_3V
REG_1.8V
GND
※ NO WEAR
y20130001a_rev0

4.16 TG/V.DRV SCHEMAITC DIAGRAM

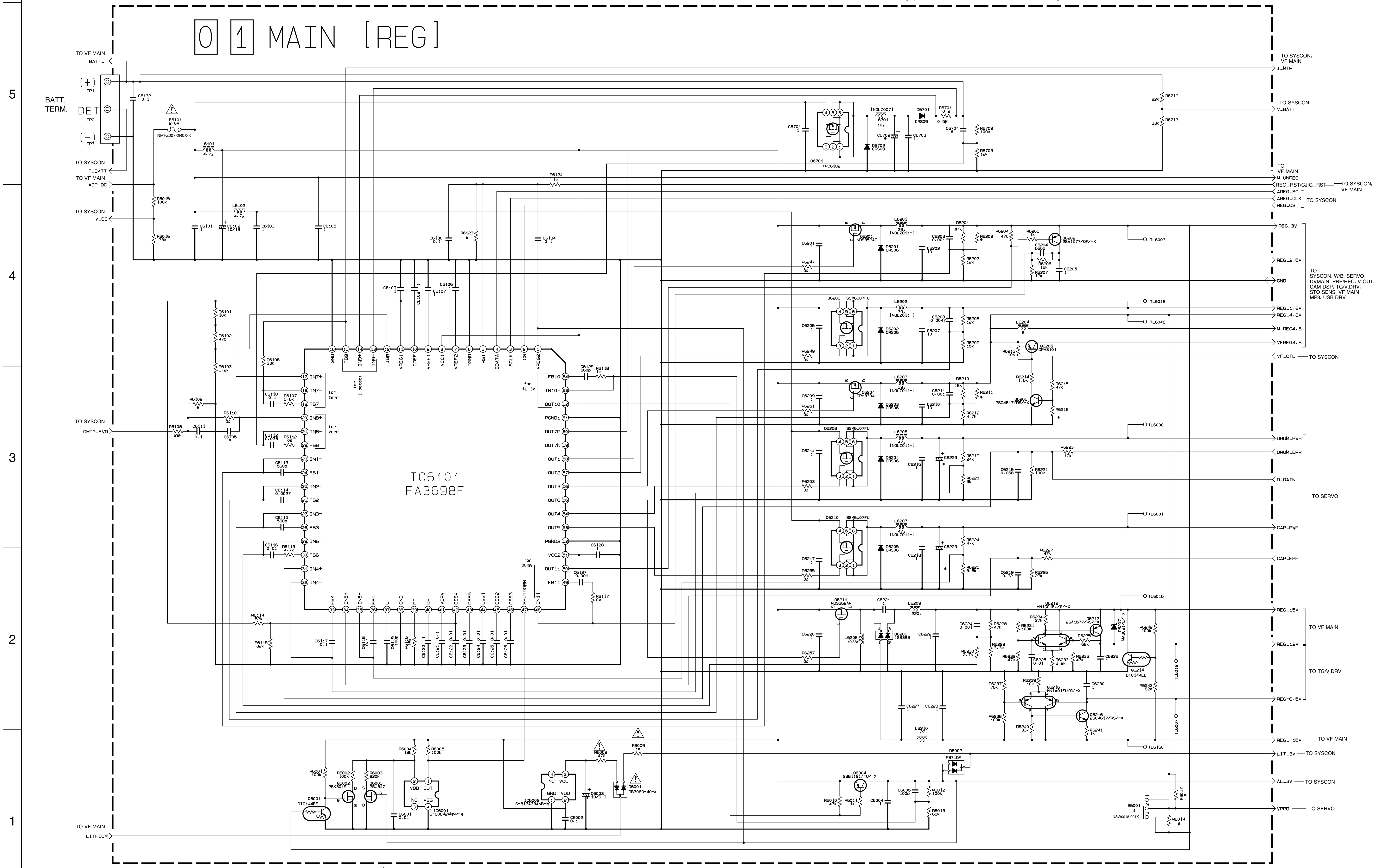
NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



0 1 MAIN (TG/V.DRV)
TO CCD
CN107
SUB 1
CCD-6.5V 2
H2 3
H1 4
RG 5
GND 6
GND 7
GND 8
GND 9
CN107
GND 11
GND 12
GND 13
CCD_12V 14
CCD_12V 15
CCD_CTL 16
V1 17
V2 18
V3 19
V4 20
IC5501
JCY0117
[TG&V.Driver]
OBCLP
TG_RST
CCD_CTL
V-DRV
CDS-DRV
R_DRV
H_DRV
AD_CLK
SHD
SHP
H2
TL5501
TL5502
TL5503
TL5504
TG_CS
CLK_OUT
DATA_OUT
CLK18
ID
XAVD
XAHD
CLK13
CLK27
C5509 0.1
R5511 47
R5510 47
R5509 47
R5512 1k
R5513 1k
R5514 1k
C5508 0.1
R5516 ※
R5515 ※
R5507 0Ω
R5506 0Ω
C5507 0.1
R5505 0Ω
C5510 1/35
D5501 1SS355
C5515 0.1
C5518 0.1
X5501 NAX0356-001X [54MHz_CXO]
VDD OUT NC GND
R5501 0Ω
R5503 0Ω
R5504 0Ω
C5501 0.1
C5503 0.1
C5504 0.1
C5505 0.1
C5506 47/4
C5516 0.1
L5501 10μ
VGAT
PBLK
RG
H1
L5506 10μ
L5505 10μ
C5511 4.7/20
C5513 0.1
C5512 10/10
C5514 0.1
C5519 0.1
C5517 0.1
TO CAM DSP
AD_CLK
SHP
SHD
OBCLP
PBLK
TO SYSCON
CCD_CTL
TG_CS
CLK_OUT
DATA_OUT
TG_RST
TO CAM DSP
VGAT
XAVD
XAHD
ID
CLK18
CLK13
TO CAM DSP, DSC
TO SERVO, DVMAIN CAM DSP
CLK27
TO REG
L5502 NQR0129-002X REG_3V
L5504 NQR0129-002X REG_12V
L5503 NQR0129-002X REG-6.5V
GND
※ NO WEAR
y30130001a_rev0
1
2
3
4
5
A
B
C
D
E
F
G
H

4.17 REG SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*


0 1 MAIN [REG]
BATT. TERM.
(+) TP1
DET TP2
(−) TP3
TO VF MAIN BATT_+
TO SYSCON T_BATT
TO VF MAIN ADP_DC
TO SYSCON V_DC
TO SYSCON CHRG_EVR
TO VF MAIN LITHIUM
F6101 2.0A
NMFZ007-2R0X-K
L6101 4.7μ
L6102 4.7μ
IC6101
FA3698F
Q6701 TPC6102
D6701 CRS09
D6702 CRS09
L6701 10μ
R6701 0.2 0.5W
Q6201 NDS352AP
Q6202 2SA1577/QR/-X
Q6203 SSM6J07FU
Q6204 CPH3304
Q6205 CPH3101
Q6206 2SC4617/RS/-X
Q6208 SSM6J07FU
Q6210 SSM6J07FU
Q6211 NDS352AP
Q6212 HN1C01FU/G/-X
Q6213 2SA1577/RS/-X
Q6214 DTC144EE
Q6215 HN1A01FU/G/-X
Q6216 2SC4617/RS/-X
D6201 CRS06
D6202 CRS06
D6203 CRS06
D6204 CRS06
D6205 CRS06
D6206 1SS383
D6207 MA8097/L/-X
Q6001 DTC144EE
Q6002 2SK3019
Q6003 2SJ347
IC6001 S-80842ANNP-W
IC6002 S-817A33ANB-W
D6001 RB706D-40-X
D6002 RB715F
Q6004 2SB1121/T/U/-X
S6001 NSW0018-001X
TO SYSCON. VF MAIN I_MTR
TO SYSCON V_BATT
TO VF MAIN M_UNREG
REG_RST/CJIG_RST
TO SYSCON. VF MAIN
AREG_SO
AREG_CLK
REG_CS
TO SYSCON
REG_3V
REG_2.5V
GND
REG_1.8V
REG_4.8V
M_REG4.8
VFREG4.8
TO SYSCON. W/B. SERVO. DVMAIN. PRE/REC. V OUT. CAM DSP. TG/V.DRV. STO SENS. VF MAIN. MP3. USB DRV
VF_CTL
TO SYSCON
DRUM_PWR
DRUM_ERR
D_GAIN
TO SERVO
CAP_PWR
CAP_ERR
REG_15V
TO VF MAIN
REG_12V
TO TG/V.DRV
REG_6.5V
REG_-15V
TO VF MAIN
LIT_3V
TO SYSCON
AL_3V
TO SYSCON
VPPD
TO SERVO
TL6003
TL6018
TL6048
TL6000
TL6001
TL6015
TL6012
TL6007
TL6150
5
4
3
2
1
A
B
C
D
E
F
G
H

※ NO WEAR

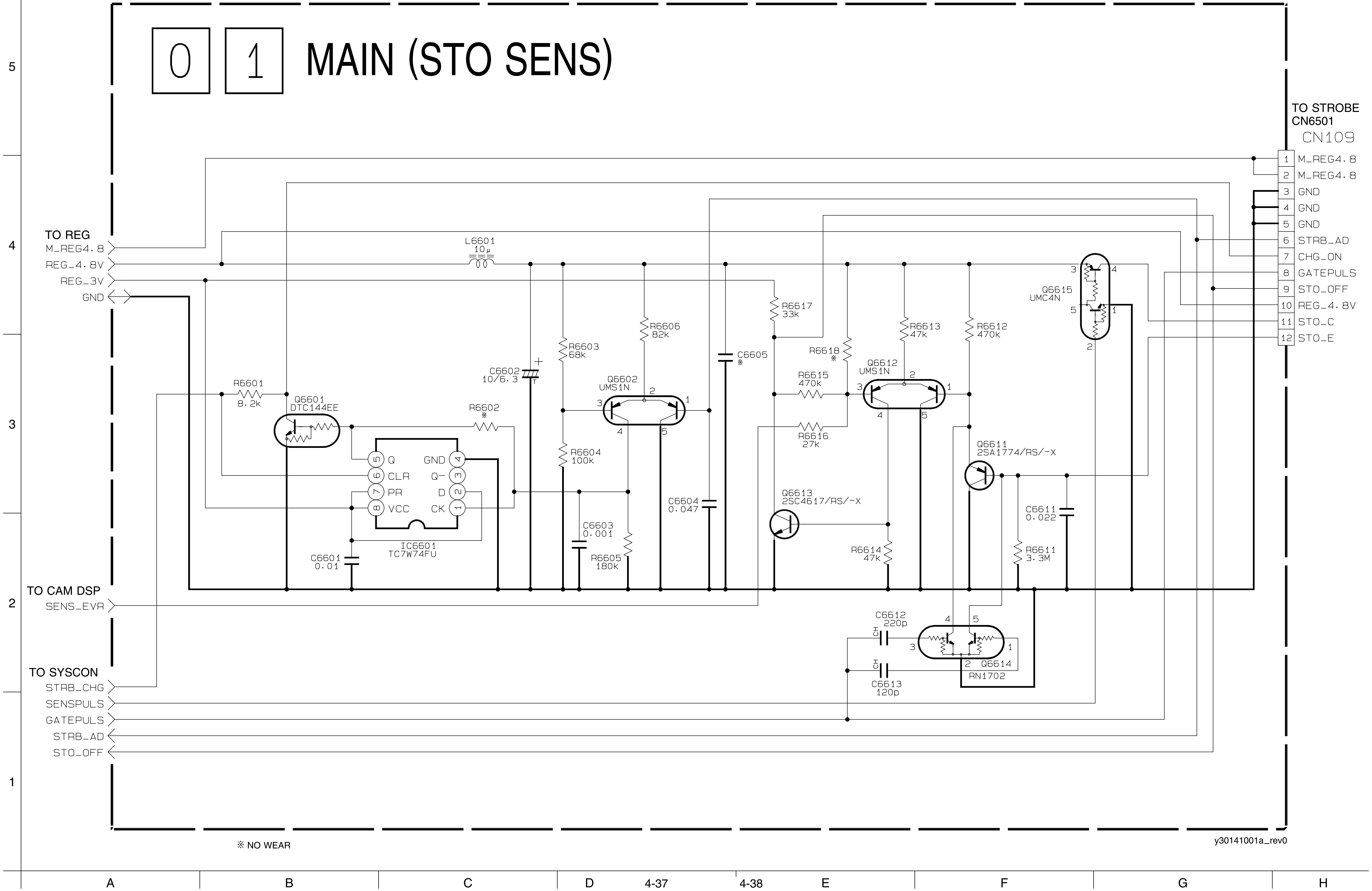
y10202001a_rev0

#EXCHANGE PARTS LIST

	S6001	R6014	TL6000~TL6150	L6204
GR-DVX44EG/EK	NSW0018-001X	※	○	0
GR-DVX77EG/EK, DVX88EG	※	0 Ω	※	22 μ

4.18 STO SENS SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



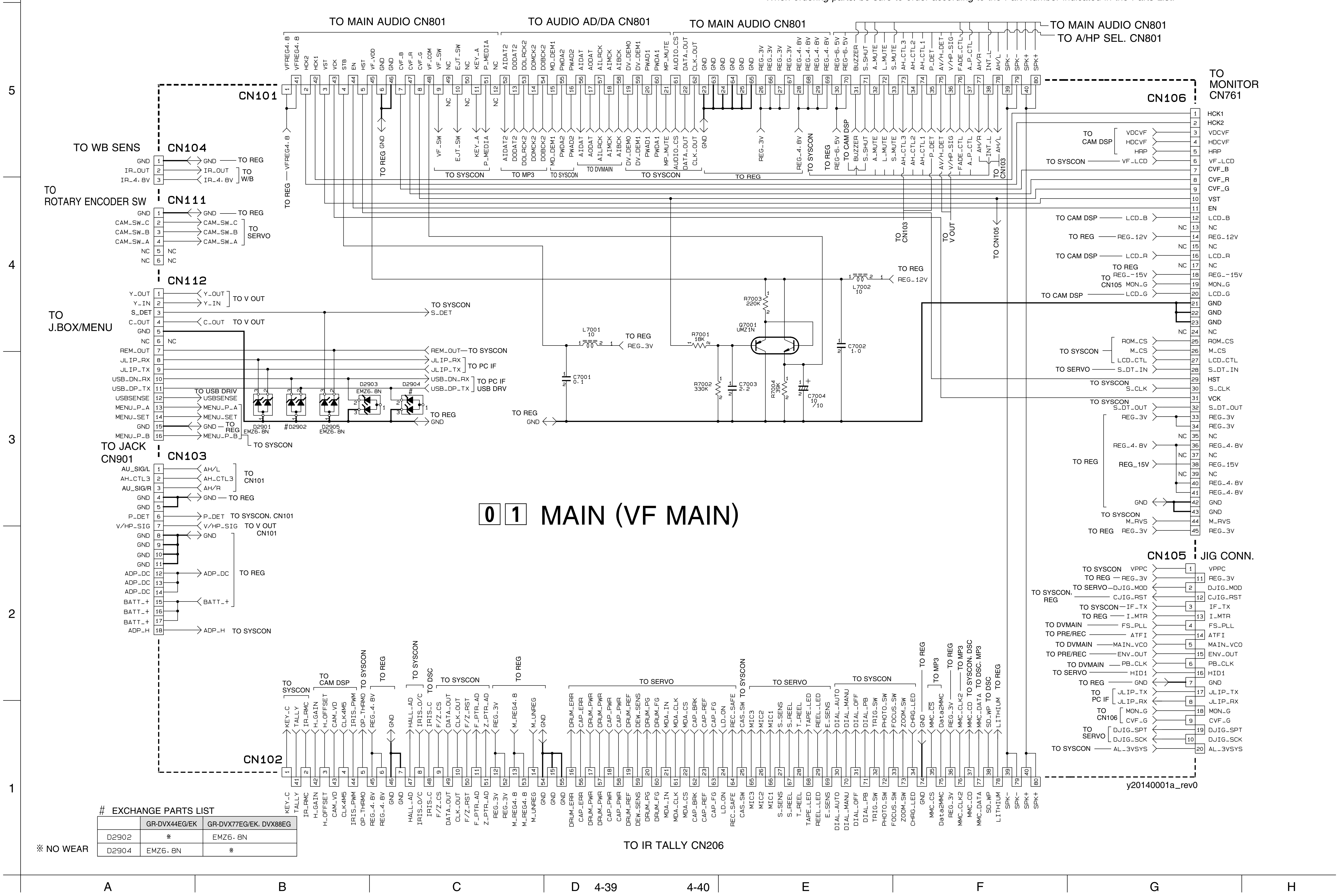
0 1 MAIN (STO SENS)
TO REG
M_REG4.8
REG_4.8V
REG_3V
GND
TO CAM DSP
SENS_EVR
TO SYSCON
STRB_CHG
SENSPULS
GATEPULS
STRB_AD
STO_OFF
TO STROBE
CN6501
CN109
1 M_REG4.8
2 M_REG4.8
3 GND
4 GND
5 GND
6 STRB_AD
7 CHG_ON
8 GATEPULS
9 STO_OFF
10 REG_4.8V
11 STO_C
12 STO_E
L6601 10μ
R6601 8.2k
Q6601 DTC144EE
R6602 ※
IC6601 TC7W74FU
5 Q
6 CLR
7 PR
8 VCC
4 GND
3 Q-
2 D
1 CK
C6601 0.01
C6602 10/6.3
R6603 68k
R6604 100k
C6603 0.001
R6605 180k
R6606 82k
Q6602 UMS1N
C6604 0.047
C6605 ※
R6617 33k
R6618 ※
R6615 470k
R6616 27k
Q6612 UMS1N
R6613 47k
R6612 470k
Q6613 2SC4617/RS/-X
R6614 47k
Q6611 2SA1774/RS/-X
C6611 0.022
R6611 3.3M
Q6615 UMC4N
C6612 220p
C6613 120p
CH
Q6614 RN1702
1
2
3
4
5
A
B
C
D
E
F
G
H

※ NO WEAR

y30141001a_rev0

4.19 VF MAIN SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*


TO MAIN AUDIO CN801
TO AUDIO AD/DA CN801
TO MAIN AUDIO CN801
TO MAIN AUDIO CN801
TO A/HP SEL. CN801
TO MONITOR CN761
CN101
CN106
TO WB SENS
CN104
TO ROTARY ENCODER SW
CN111
CN112
TO J.BOX/MENU
TO JACK CN901
CN103
CN105
JIG CONN.
CN102
TO IR TALLY CN206
0 1 MAIN (VF MAIN)
L7001 10
C7001 0.1
R7001 18K
R7002 330K
C7003 2.2
R7003 220K
Q7001 UMZ1N
R7004 39K
C7004 10/10
C7002 1.0
L7002 10
D2901 EMZ6.8N
#D2902
D2903 EMZ6.8N
D2904 #
D2905 EMZ6.8N
TO SYSCON
TO REG
TO SERVO
TO CAM DSP
TO V OUT
TO PC IF
TO USB DRIV
y20140001a_rev0
1
2
3
4
5
A
B
C
D
E
F
G
H

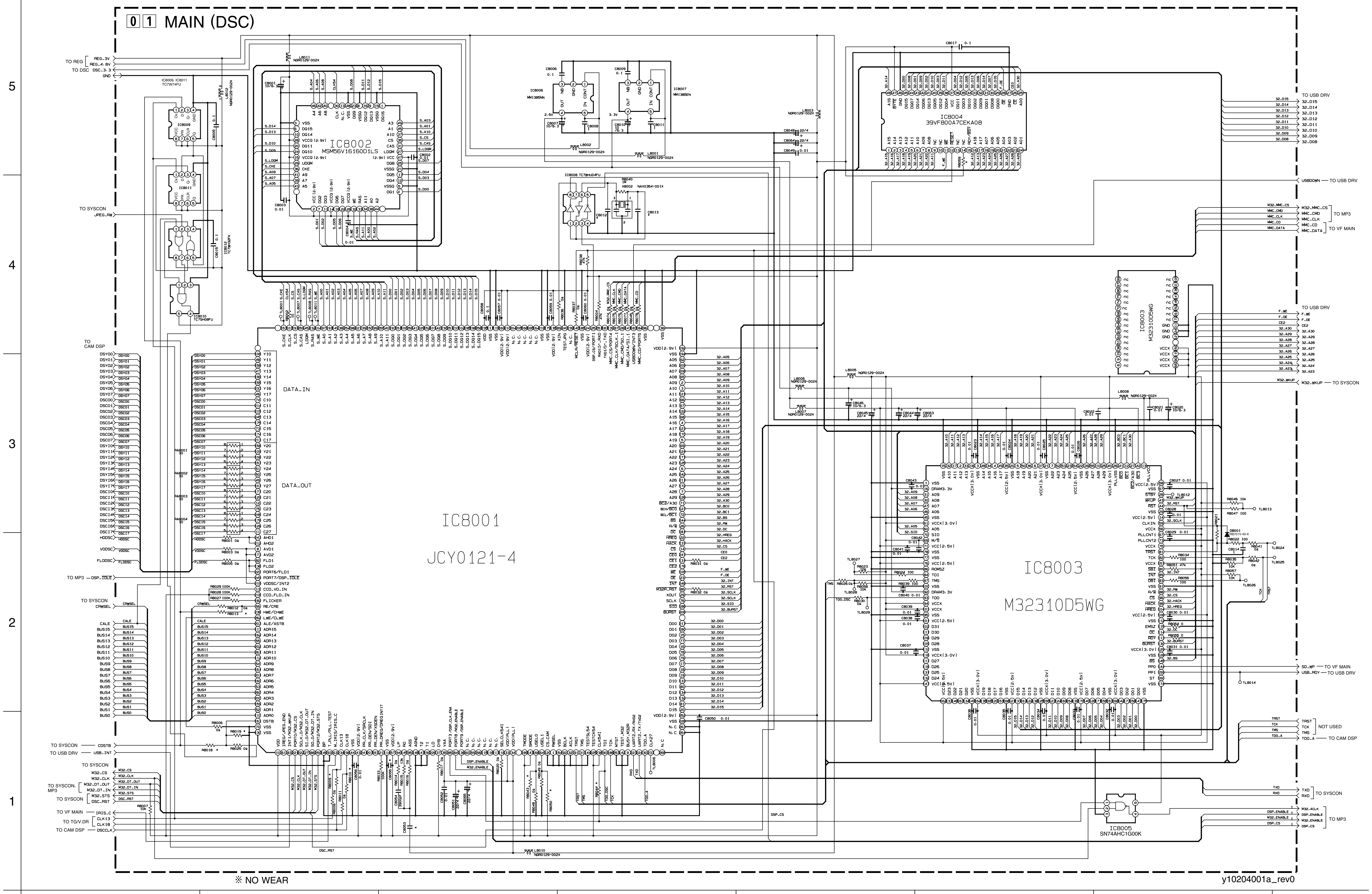
EXCHANGE PARTS LIST

	GR-DVX44EG/EK	GR-DVX77EG/EK, DVX88EG
D2902	※	EMZ6.8N
D2904	EMZ6.8N	※

※ NO WEAR

4.20 DSC SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



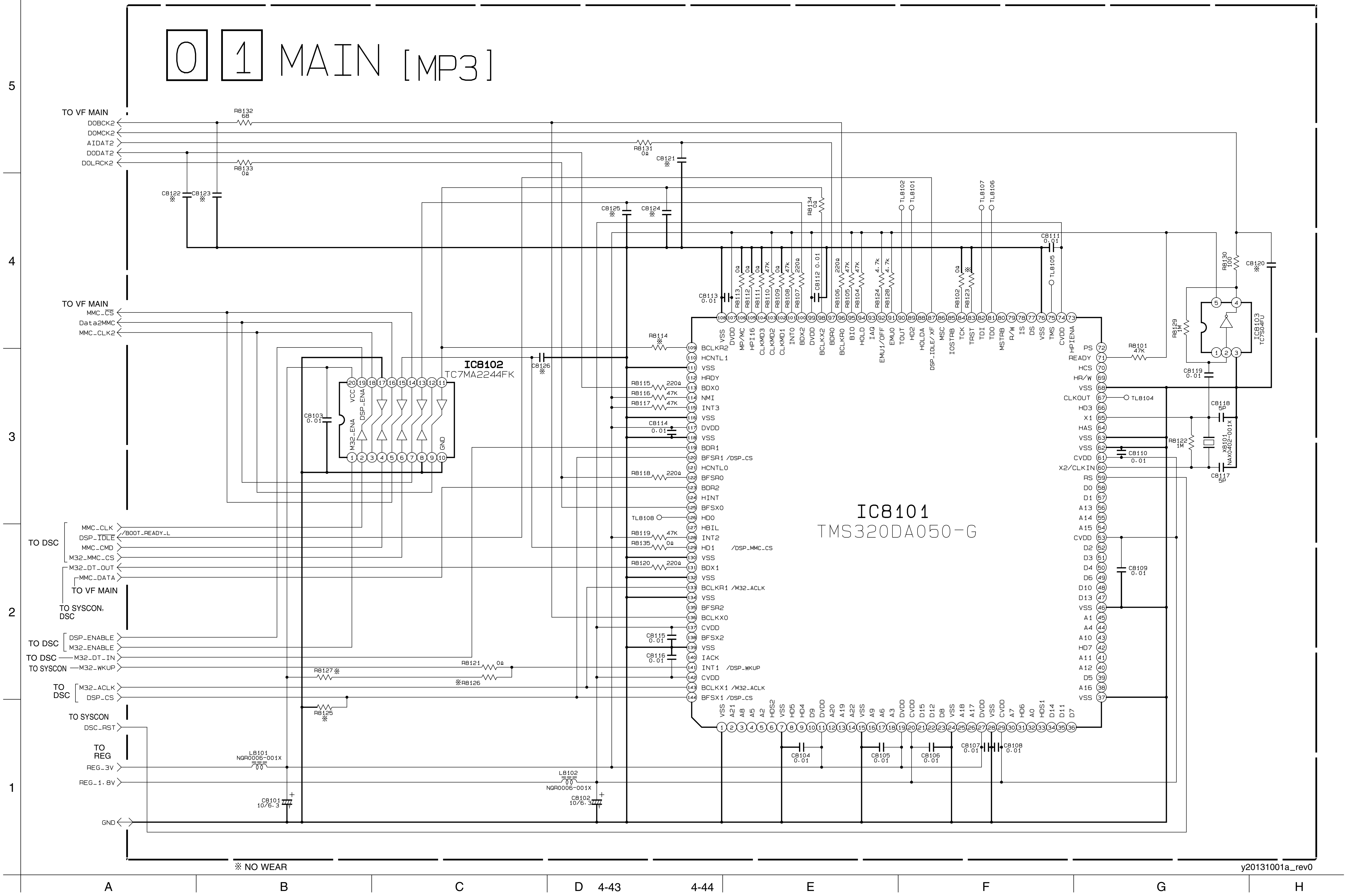
01 MAIN (DSC)
5
4
3
2
1
TO REG
REG.3V
REG.4.8V
TO DSC
DSC.3.3
GND
IC8009, IC8011
TC7W74FU
IC8009
IC8011
IC8012
TC7W08FK
IC8010
TC7SH08FU
TO SYSCON
JPEG_RW
TO CAM DSP
DATA_IN
DATA_OUT
TO MP3
DSP_IDLE
TO SYSCON
CRWSEL
TO SYSCON
CDSTB
TO USB DRV
USB_INT
TO SYSCON
TO SYSCON, MP3
TO SYSCON
TO VF MAIN
IRIS_C
TO TG/V.DR
CLK13
CLK18
TO CAM DSP
DSCCLK
IC8002
MSM56V16160D1LS
IC8001
JCY0121-4
IC8006
MM1385NN
IC8007
MM1385EN
IC8008 TC7WHU04FU
X8002
NAX0354-001X
IC8004
39VF800A7CEKA08
IC8003
M32310D5WG
IC8005
SN74AHC1G00K
TO USB DRV
USBDOWN
TO USB DRV
TO MP3
TO VF MAIN
TO USB DRV
M32.WKUP
TO SYSCON
SD_WP
TO VF MAIN
USB_RDY
TO USB DRV
NOT USED
TDO_A
TO CAM DSP
TXD
RXD
TO SYSCON
TO MP3
L8001
L8002
L8003
L8005
L8006
L8007
L8008
L8010
L8011
L8012
NQR0129-002X
A
B
C
D
E
F
G
H

※ NO WEAR

y10204001a_rev0

4.21 MP3 SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



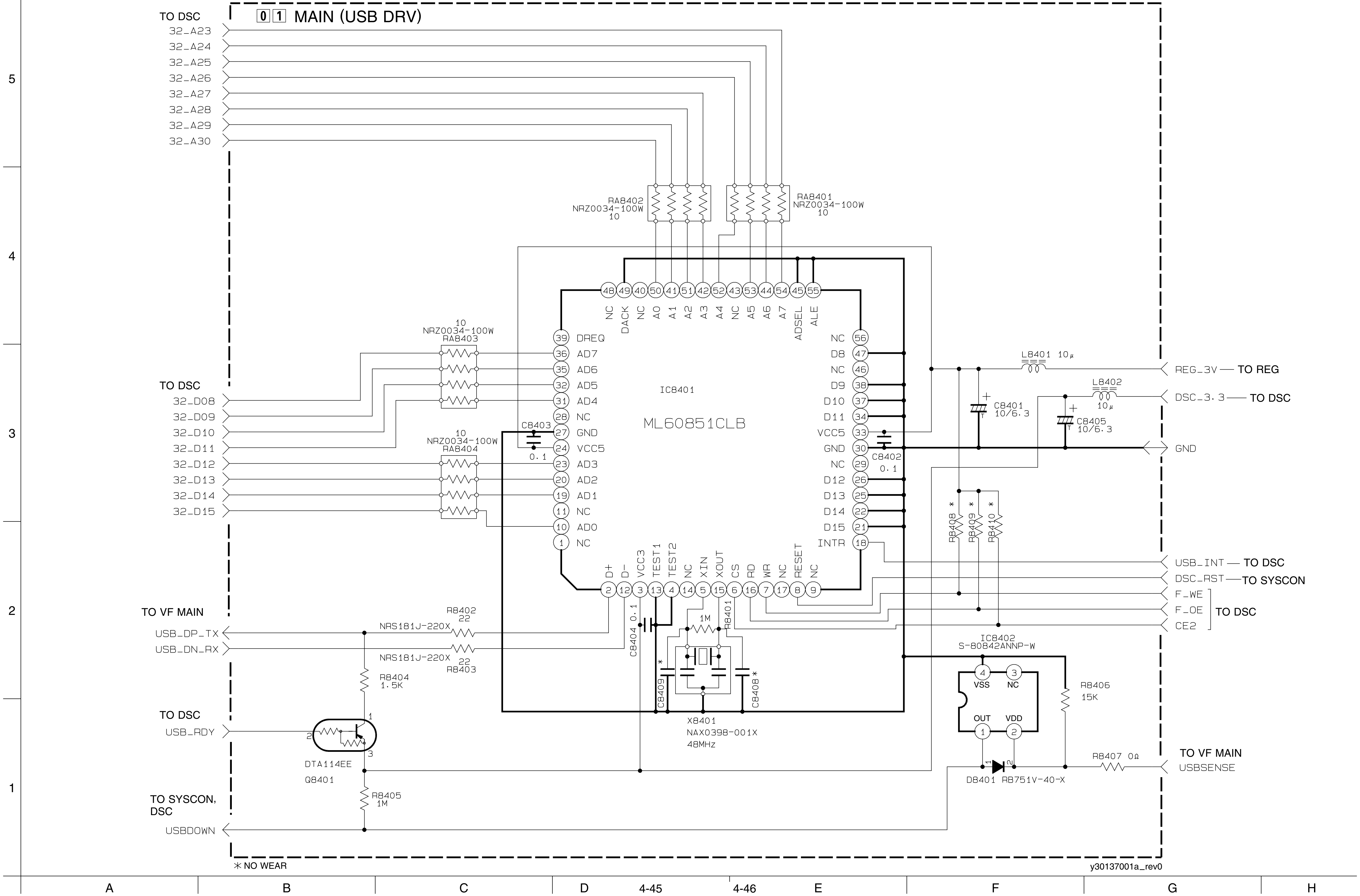
01 MAIN [MP3]
5
4
3
2
1
A
B
C
D
E
F
G
H
TO VF MAIN
DOBCK2
DOMCK2
AIDAT2
DODAT2
DOLRCK2
R8132 68
R8133 0Ω
R8131 0Ω
C8121 ※
C8122 ※
C8123 ※
C8125 ※
C8124 ※
R8134 0Ω
TL8102
TL8101
TL8107
TL8106
C8111 0.01
TL8105
R8130 100
C8120 ※
TO VF MAIN
MMC_CS
Data2MMC
MMC_CLK2
C8113 0.01
C8112 0.01
R8114 ※
IC8102
TC7MA2244FK
VCC
DSP_ENA
M32_ENA
GND
C8103 0.01
C8126 ※
IC8103
TC7SU04FU
R8129 1M
R8101 47K
C8119 0.01
C8118 5P
TL8104
R8122 1M
X8101
NAX0402-001X
C8110 0.01
C8117 5P
IC8101
TMS320DA050-G
R8115 220Ω
R8116 47K
R8117 47K
C8114 0.01
R8118 220Ω
TL8108
R8119 47K
R8135 0Ω
R8120 220Ω
C8115 0.01
C8116 0.01
C8109 0.01
TO DSC
MMC_CLK
DSP_IDLE
MMC_CMD
M32_MMC_CS
/BOOT_READY_L
M32_DT_OUT
MMC_DATA
TO VF MAIN
TO SYSCON, DSC
TO DSC
DSP_ENABLE
M32_ENABLE
TO DSC
M32_DT_IN
TO SYSCON
M32_WKUP
TO DSC
M32_ACLK
DSP_CS
TO SYSCON
DSC_RST
TO REG
REG_3V
REG_1.8V
GND
R8127 ※
R8121 0Ω
※R8126
R8125 ※
L8101 NQR0006-001X
L8102 NQR0006-001X
C8101 10/6.3
C8102 10/6.3
C8104 0.01
C8105 0.01
C8106 0.01
C8107 0.01
C8108 0.01
BCLKR2
HCNTL1
VSS
HRDY
BDX0
NMI
INT3
DVDD
BDR1
BFSR1 /DSP_CS
HCNTL0
BFSR0
BDR2
HINT
BFSX0
HD0
HBIL
INT2
HD1 /DSP_MMC_CS
BDX1
BCLKR1 /M32_ACLK
BFSR2
BCLKX0
CVDD
BFSX2
IACK
INT1 /DSP_WKUP
BCLKX1 /M32_ACLK
BFSX1 /DSP_CS
PS
READY
HCS
HR/W
CLKOUT
HD3
X1
HAS
X2/CLKIN
RS
D0
D1
A13
A14
A15
D2
D3
D4
D6
D10
D13
A1
A4
A10
HD7
A11
A12
D5
A16

※ NO WEAR

y20131001a_rev0

4.22 USB DRV SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]

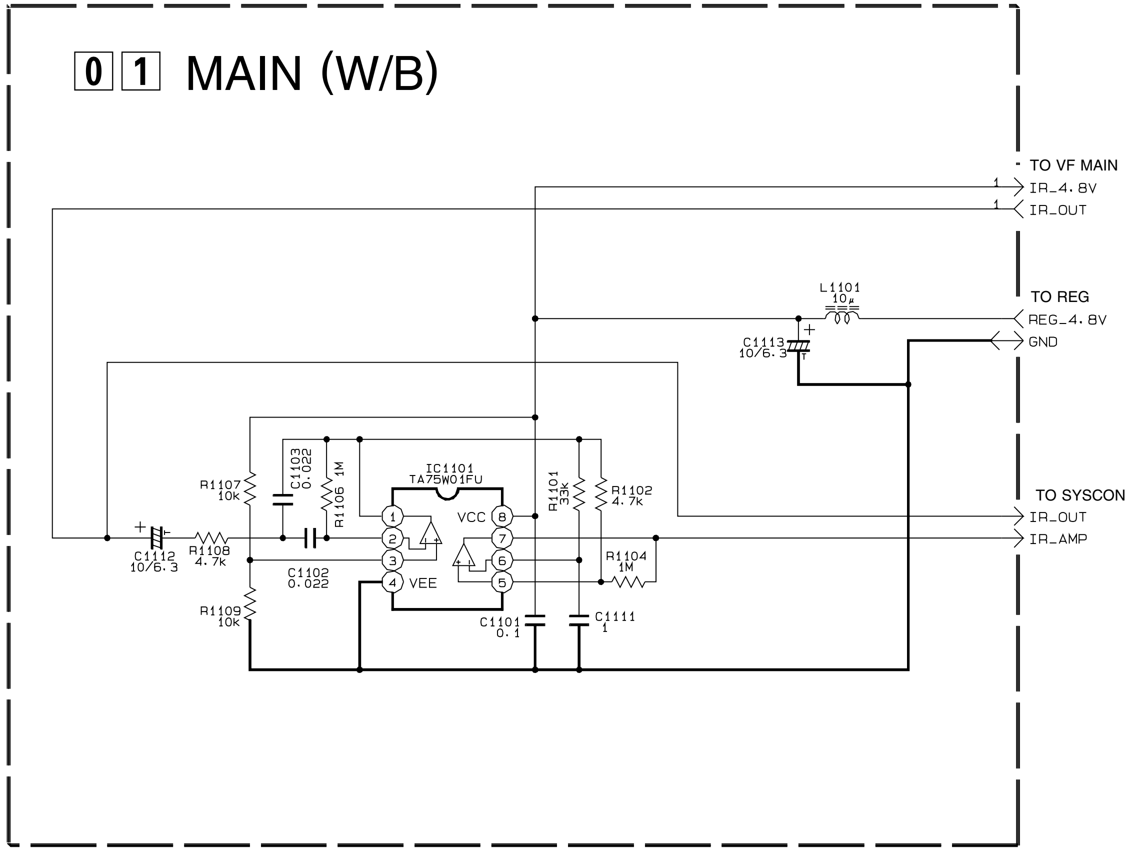
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



01 MAIN (USB DRV)
TO DSC
32_A23
32_A24
32_A25
32_A26
32_A27
32_A28
32_A29
32_A30
RA8402 NRZ0034-100W 10
RA8401 NRZ0034-100W 10
RA8403 NRZ0034-100W 10
RA8404 NRZ0034-100W 10
TO DSC
32_D08
32_D09
32_D10
32_D11
32_D12
32_D13
32_D14
32_D15
IC8401
ML60851CLB
DREQ AD7 AD6 AD5 AD4 NC GND VCC5 AD3 AD2 AD1 NC AD0 NC
NC DACK NC A0 A1 A2 A3 A4 NC A5 A6 A7 ADSEL ALE
NC D8 NC D9 D10 D11 VCC5 GND NC D12 D13 D14 D15 INTR
D+ D- VCC3 TEST1 TEST2 NC XIN XOUT CS RD WR NC RESET NC
C8403 0.1
C8402 0.1
C8404 0.1
C8409 *
C8408 *
R8401 1M
X8401 NAX0398-001X 48MHz
L8401 10μ
L8402 10μ
C8401 10/6.3
C8405 10/6.3
REG_3V — TO REG
DSC_3.3 — TO DSC
GND
R8408 *
R8409 *
R8410 *
USB_INT — TO DSC
DSC_RST — TO SYSCON
F_WE
F_OE
CE2
TO DSC
TO VF MAIN
USB_DP_TX
USB_DN_RX
R8402 22 NRS181J-220X
R8403 22 NRS181J-220X
R8404 1.5K
TO DSC
USB_RDY
DTA114EE
Q8401
R8405 1M
TO SYSCON, DSC
USBDOWN
IC8402 S-80842ANNP-W
VSS NC OUT VDD
R8406 15K
R8407 0Ω
D8401 RB751V-40-X
TO VF MAIN
USBSENSE
*NO WEAR
y30137001a_rev0
5 4 3 2 1
A B C D E F G H

4.23 W/B SCHEMATIC DIAGRAM

NOTES :
- For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

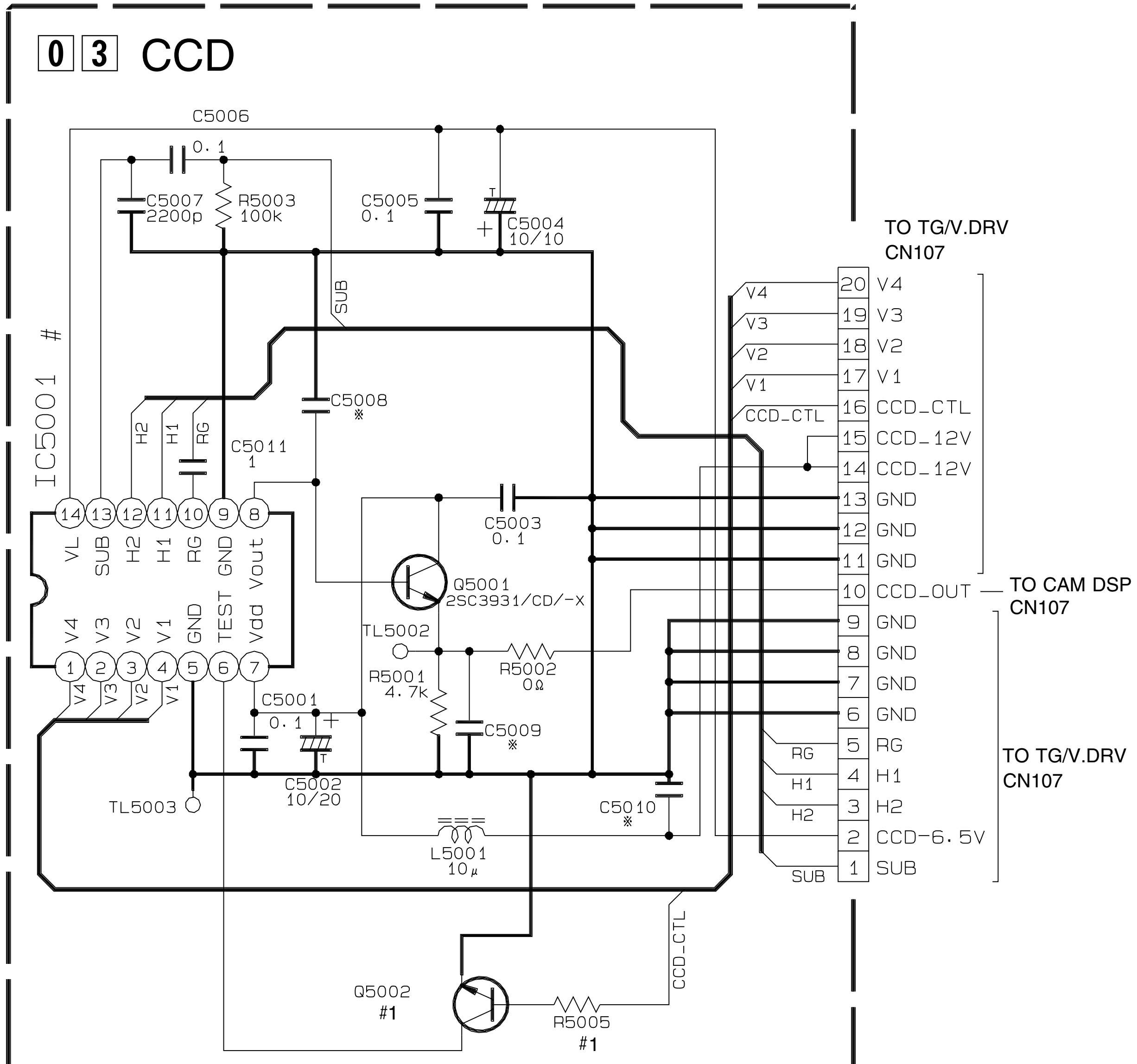

0 1 MAIN (W/B)
TO VF MAIN
IR_4.8V
IR_OUT
TO REG
REG_4.8V
GND
TO SYSCON
IR_OUT
IR_AMP
L1101 10μ
C1113 10/6.3
IC1101 TA75W01FU
VCC
VEE
R1107 10k
C1103 0.022
R1106 1M
R1101 33k
R1102 4.7k
R1104 1M
C1112 10/6.3
R1108 4.7k
C1102 0.022
R1109 10k
C1101 0.1
C1111 1

y40073001a_rev0

4.24 CCD SCHEMATIC DIAGRAM

NOTES :
- For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

- IC5001 is incorporated in the CCD base assembly. When IC5001 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.


0 3 CCD
C5006 0.1
C5007 2200p
R5003 100k
C5005 0.1
C5004 10/10
SUB
IC5001 #
H2
H1
RG
C5008 ※
C5011 1
VL SUB H2 H1 RG GND Vout
V4 V3 V2 V1 GND TEST Vdd
C5003 0.1
Q5001 2SC3931/CD/-X
TL5002
R5001 4.7k
R5002 0Ω
C5009 ※
C5001 0.1
C5002 10/20
TL5003
C5010 ※
L5001 10μ
Q5002 #1
R5005 #1
CCD_CTL
TO TG/V.DRV CN107
20 V4
19 V3
18 V2
17 V1
16 CCD_CTL
15 CCD_12V
14 CCD_12V
13 GND
12 GND
11 GND
10 CCD_OUT
TO CAM DSP CN107
9 GND
8 GND
7 GND
6 GND
5 RG
4 H1
3 H2
2 CCD-6.5V
1 SUB
TO TG/V.DRV CN107

#Difference point

	IC5001
NTSC	ICX220AK-K
PAL	ICX221BK-K

y40072001a_rev0

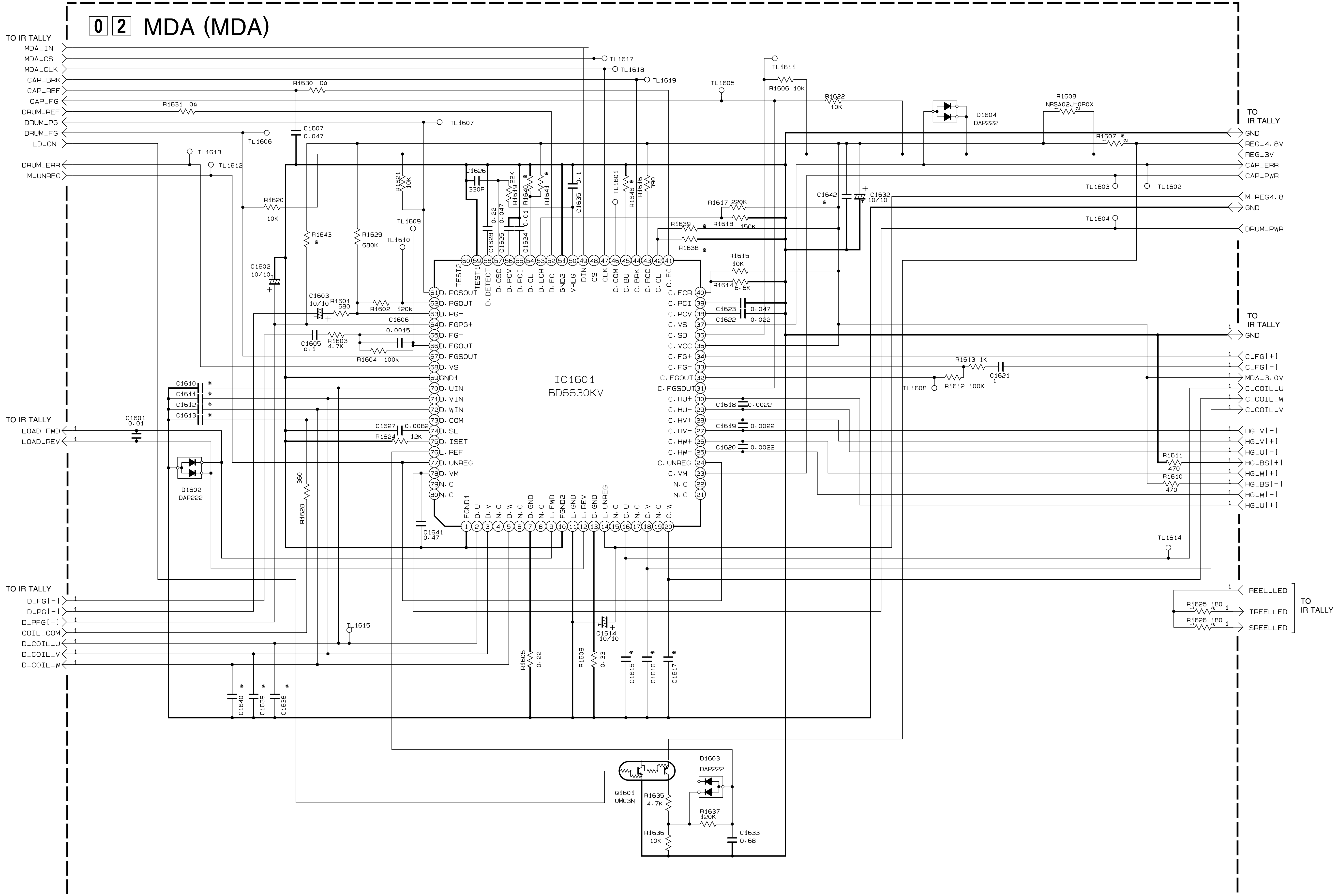
#1 EXCHANGE PARTS LIST

	GR-DVX44EG/EK	GR-DVX77EG/EK, DVX88EG
Q5002	※	2SC4081/RS/-X
R5005	※	4.7K

※ NO WEAR

4.25 MDA SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



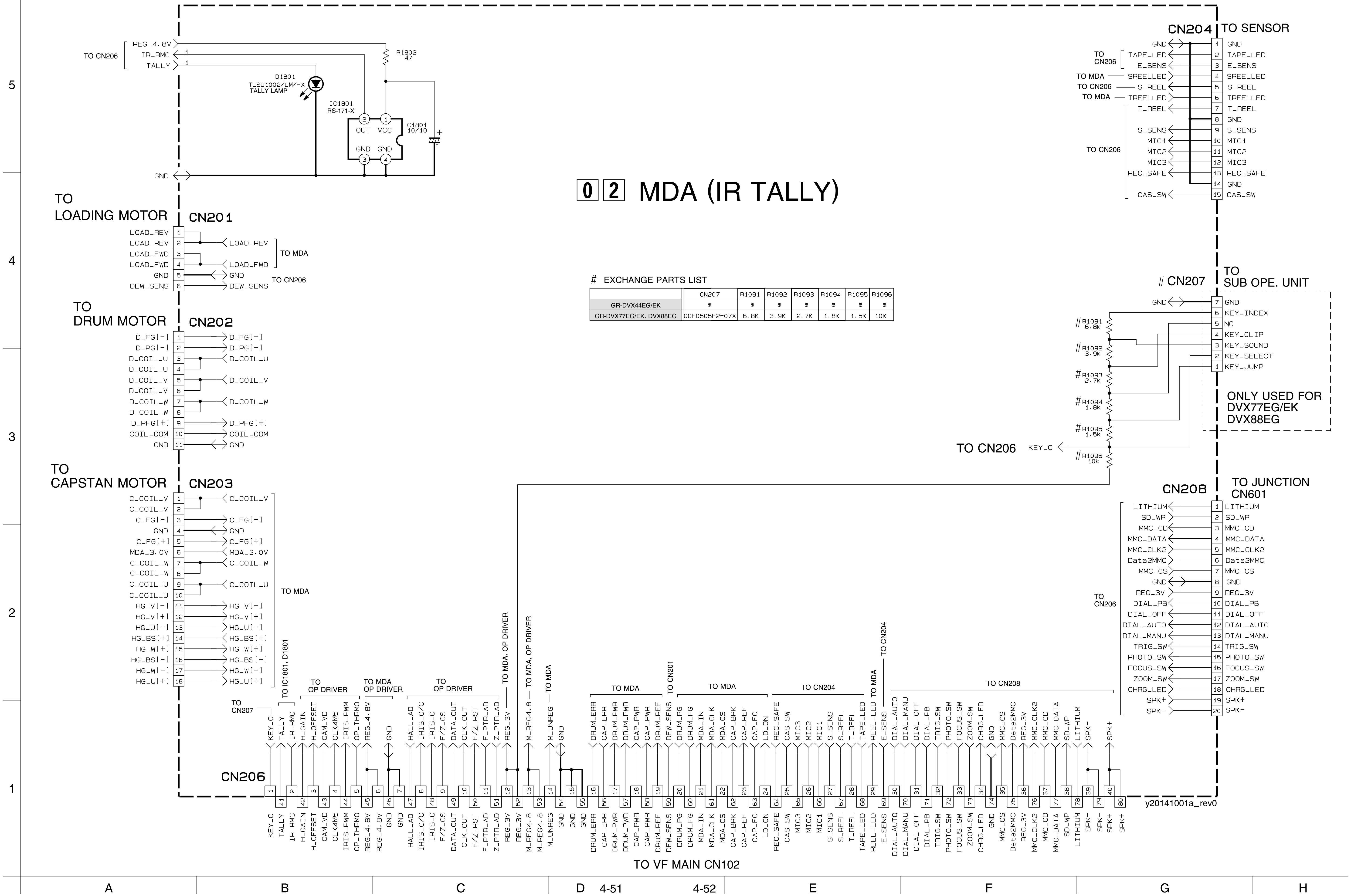
02 MDA (MDA)
TO IR TALLY
MDA_IN
MDA_CS
MDA_CLK
CAP_BRK
CAP_REF
CAP_FG
DRUM_REF
DRUM_PG
DRUM_FG
LD_ON
DRUM_ERR
M_UNREG
TO IR TALLY
LOAD_FWD
LOAD_REV
TO IR TALLY
D_FG[-]
D_PG[-]
D_PFG[+]
COIL_COM
D_COIL_U
D_COIL_V
D_COIL_W
TO IR TALLY
GND
REG_4.8V
REG_3V
CAP_ERR
CAP_PWR
M_REG4.8
GND
DRUM_PWR
TO IR TALLY
GND
C_FG[+]
C_FG[-]
MDA_3.0V
C_COIL_U
C_COIL_W
C_COIL_V
HG_V[-]
HG_V[+]
HG_U[-]
HG_BS[+]
HG_W[+]
HG_BS[-]
HG_W[-]
HG_U[+]
REEL_LED
TREELLED
SREELLED
TO IR TALLY
IC1601
BD6630KV
TL1617
TL1618
TL1619
TL1605
TL1611
R1606 10K
R1622 10K
D1604 DAP222
R1608 NRSA02J-0R0X
R1607
R1630 0Ω
R1631 0Ω
C1607 0.047
TL1607
TL1606
TL1613
TL1612
R1621 10K
C1626 330P
R1619 22K
R1640
R1641
C1635 0.1
TL1601
R1646
R1616 390
C1628 0.22
C1625 0.047
C1624 0.01
R1617 220K
R1618 150K
R1639
R1638
R1615 10K
R1614 6.8K
C1642
C1632 10/10
TL1603
TL1602
TL1604
R1620 10K
TL1609
TL1610
R1643
R1629 680K
C1602 10/10
C1603 10/10
R1601 680
R1602 120K
C1606 0.0015
C1605 0.1
R1603 4.7K
R1604 100K
C1623 0.047
C1622 0.022
R1613 1K
C1621
R1612 100K
TL1608
C1610
C1611
C1612
C1613
C1601 0.01
C1627 0.0082
R1624 12K
C1618 0.0022
C1619 0.0022
C1620 0.0022
R1611 470
R1610 470
D1602 DAP222
R1628 360
C1641 0.47
TL1614
R1625 180
R1626 180
TL1615
C1614 10/10
R1605 0.22
R1609 0.33
C1615
C1616
C1617
C1640
C1639
C1638
D1603 DAP222
Q1601 UMC3N
R1635 4.7K
R1637 120K
R1636 10K
C1633 0.68
TEST2 TEST1 D.DETECT D.OSC D.PCV D.PCI D.CL D.ECR D.EC GND2 VREG DIN CS CLK C.COM C.BU C.BRK C.RCC C.CL C.EC
D.PGSOUT D.PGOUT D.PG- D.FGPG+ D.FG- D.FGOUT D.FGSOUT D.VS GND1 D.UIN D.VIN D.WIN D.COM D.SL D.ISET L.REF D.UNREG D.VM N.C N.C
C.ECR C.PCI C.PCV C.VS C.SD C.VCC C.FG+ C.FG- C.FGOUT C.FGSOUT C.HU+ C.HU- C.HV+ C.HV- C.HW+ C.HW- C.UNREG C.VM N.C N.C
FGND1 D.U D.V N.C D.W N.C D.GND N.C L.FWD FGND2 L.REV L.GND C.GND L.UNREG N.C C.U N.C C.V N.C C.W

※ NO WEAR

y20129001a_rev0

4.26 IR TALLY SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



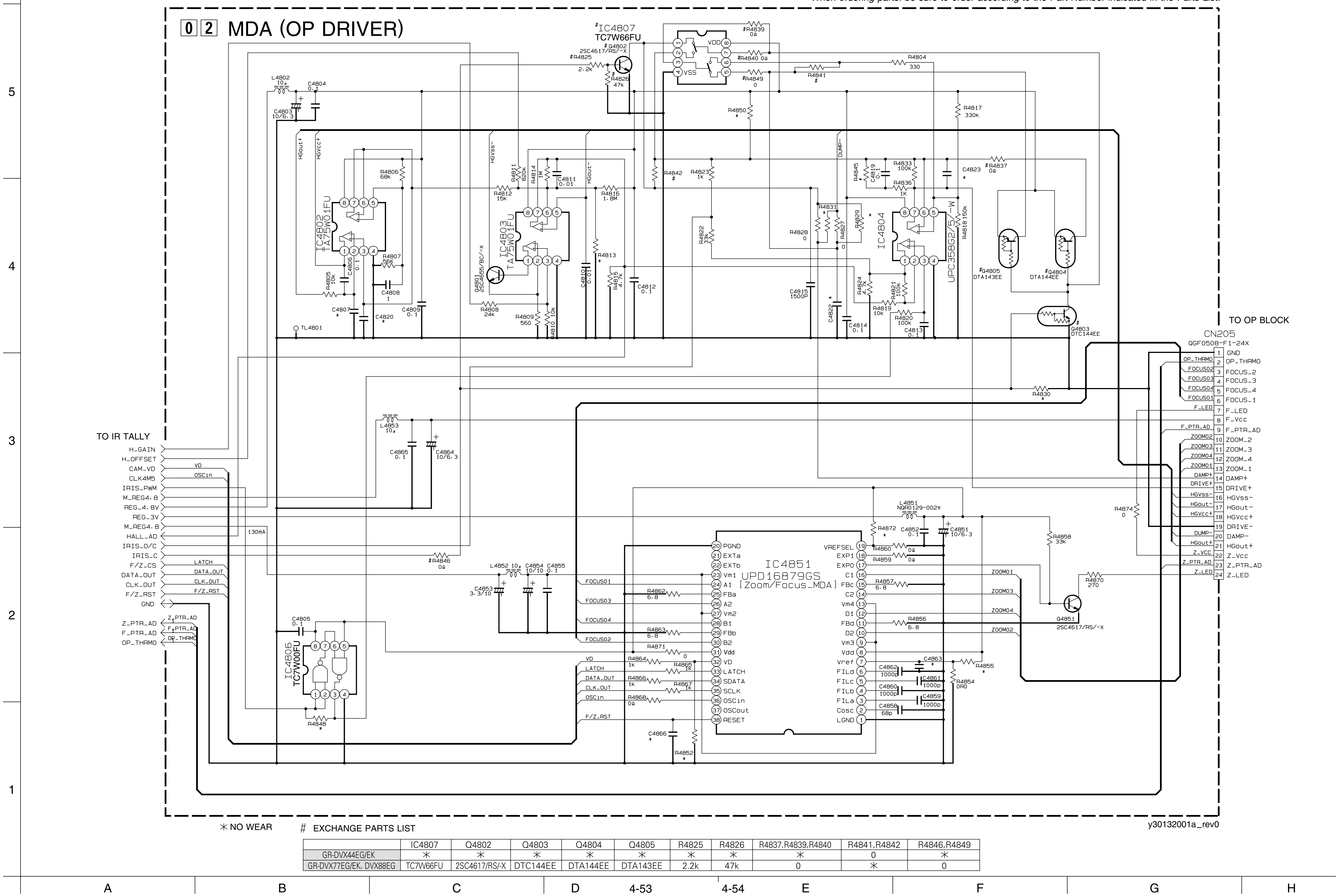
0 2 MDA (IR TALLY)
TO CN206
REG_4.8V
IR_RMC
TALLY
GND
R1802 47
D1801 TLSU1002/LM/-X TALLY LAMP
IC1801 RS-171-X
OUT VCC GND GND
C1801 10/10
TO LOADING MOTOR
CN201
LOAD_REV
LOAD_FWD
DEW_SENS
TO MDA
TO DRUM MOTOR
CN202
D_FG[-]
D_PG[-]
D_COIL_U
D_COIL_V
D_COIL_W
D_PFG[+]
COIL_COM
TO CAPSTAN MOTOR
CN203
C_COIL_V
C_FG[-]
C_FG[+]
MDA_3.0V
C_COIL_W
C_COIL_U
HG_V[-]
HG_V[+]
HG_U[-]
HG_BS[+]
HG_W[+]
HG_BS[-]
HG_W[-]
HG_U[+]
CN204
TO SENSOR
TAPE_LED
E_SENS
SREELLED
S_REEL
TREELLED
T_REEL
S_SENS
MIC1
MIC2
MIC3
REC_SAFE
CAS_SW
# CN207
TO SUB OPE. UNIT
KEY_INDEX
NC
KEY_CLIP
KEY_SOUND
KEY_SELECT
KEY_JUMP
ONLY USED FOR DVX77EG/EK DVX88EG
#R1091 6.8K
#R1092 3.9K
#R1093 2.7K
#R1094 1.8K
#R1095 1.5K
#R1096 10K
TO CN206 KEY_C
CN208
TO JUNCTION CN601
LITHIUM
SD_WP
MMC_CD
MMC_DATA
MMC_CLK2
Data2MMC
MMC_CS
REG_3V
DIAL_PB
DIAL_OFF
DIAL_AUTO
DIAL_MANU
TRIG_SW
PHOTO_SW
FOCUS_SW
ZOOM_SW
CHRG_LED
SPK+
SPK-
CN206
TO CN207
TO IC1801, D1801
TO OP DRIVER
TO MDA OP DRIVER
TO MDA, OP DRIVER
TO CN201
TO CN204
TO CN208
KEY_C
TALLY
IR_RMC
H_GAIN
H_OFFSET
CAM_VD
CLK4M5
IRIS_PWM
OP_THRMO
HALL_AD
IRIS_O/C
IRIS_C
F/Z_CS
DATA_OUT
CLK_OUT
F/Z_RST
F_PTR_AD
Z_PTR_AD
M_REG4.8
M_UNREG
DRUM_ERR
CAP_ERR
DRUM_PWR
CAP_PWR
DRUM_REF
DRUM_PG
DRUM_FG
MDA_IN
MDA_CLK
MDA_CS
CAP_BRK
CAP_REF
CAP_FG
LD_ON
S_SENS
T_REEL
REEL_LED
DIAL_AUTO
TO VF MAIN CN102
y20141001a_rev0
A B C D E F G H
1 2 3 4 5

EXCHANGE PARTS LIST

	CN207	R1091	R1092	R1093	R1094	R1095	R1096
GR-DVX44EG/EK	※	※	※	※	※	※	※
GR-DVX77EG/EK, DVX88EG	QGF0505F2-07X	6.8K	3.9K	2.7K	1.8K	1.5K	10K

4.27 OP DRIVER SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



02 MDA (OP DRIVER)
5
4
3
2
1
A
B
C
D
E
F
G
H
#IC4807
TC7W66FU
#Q4802
2SC4617/RS/-X
#R4825 2.2k
#R4826 47k
VDD
VSS
#R4839 0Ω
#R4840 0Ω
#R4849 0
R4804 330
R4841 #
R4850 *
R4817 330k
L4802 10μ
C4804 0.1
C4803 10/6.3
HGout+
HGVcc+
HGVss-
HGout-
DUMP-
IC4802
TA75W01FU
R4806 68k
R4805 10k
C4806 0.1
R4807 56k
C4808 1
C4807 *
C4820 *
C4809 0.1
TL4801
Q4801
2SC4555/BC/-X
IC4803
TA75W01FU
R4811 820k
R4814 1M
C4811 0.01
R4812 15k
R4816 1.8M
R4813 *
C4810 0.01
R4815 4.7k
C4812 0.1
R4808 24k
R4809 560
R4810 10k
R4842 #
R4823 1k
R4822 33k
R4828 0
R4831 *
R4827 0
R4829 *
C4815 1500P
C4822 *
C4814 0.1
R4824 4.7k
R4845 *
C4819 0.1
R4833 100k
R4836 1k
C4823 *
#R4837 0Ω
IC4804
UPC358G2/S/-W
R4818 150k
R4821 100k
R4819 10k
R4820 100k
C4813 0.1
#Q4805 DTA143EE
#Q4804 DTA144EE
#Q4803 DTC144EE
R4830 *
TO OP BLOCK
CN205
QGF0508-F1-24X
1 GND
2 OP_THRMO
3 FOCUS_2
4 FOCUS_3
5 FOCUS_4
6 FOCUS_1
7 F_LED
8 F_Vcc
9 F_PTR_AD
10 ZOOM_2
11 ZOOM_3
12 ZOOM_4
13 ZOOM_1
14 DAMP+
15 DRIVE+
16 HGVss-
17 HGout-
18 HGVcc+
19 DRIVE-
20 DAMP-
21 HGout+
22 Z_Vcc
23 Z_PTR_AD
24 Z_LED
TO IR TALLY
H_GAIN
H_OFFSET
CAM_VD
CLK4M5
IRIS_PWM
M_REG4.8
REG_4.8V
REG_3V
M_REG4.8
HALL_AD
IRIS_O/C
IRIS_C
F/Z_CS
DATA_OUT
CLK_OUT
F/Z_RST
GND
Z_PTR_AD
F_PTR_AD
OP_THRMO
VD
OSCin
130mA
LATCH
DATA_OUT
CLK_OUT
F/Z_RST
L4853 10μ
C4865 0.1
C4864 10/6.3
#R4846 0Ω
L4852 10μ
C4854 10/10
C4855 0.1
C4853 3.3/10
C4805 0.1
IC4806
TC7W00FU
R4848 *
IC4851
UPD16879GS
[Zoom/Focus_MDA]
PGND
EXTa
EXTb
Vm1
A1
FBa
A2
Vm2
B1
FBb
B2
Vdd
VD
LATCH
SDATA
SCLK
OSCin
OSCout
RESET
VREFSEL
EXP1
EXP0
C1
FBc
C2
Vm4
D1
FBd
D2
Vm3
Vdd
Vref
FILd
FILc
FILb
FILa
Cosc
LGND
FOCUS01
FOCUS03
FOCUS04
FOCUS02
R4862 6.8
R4863 6.8
R4871 0
R4864 1k
R4865 1k
R4866 1k
R4867 1k
R4868 0Ω
C4866 *
R4852 *
L4851 NQR0129-002X
R4872 *
C4852 0.1
C4851 10/6.3
R4860 0Ω
R4859 0Ω
R4857 6.8
R4856 6.8
C4863 *
R4855 *
R4854 0Ω
C4862 1000p
C4861 1000p
C4860 1000p
C4859 1000p
C4858 68p
R4858 33k
R4870 270
Q4851
2SC4617/RS/-X
R4874 0
ZOOM01
ZOOM03
ZOOM04
ZOOM02

∗ NO WEAR

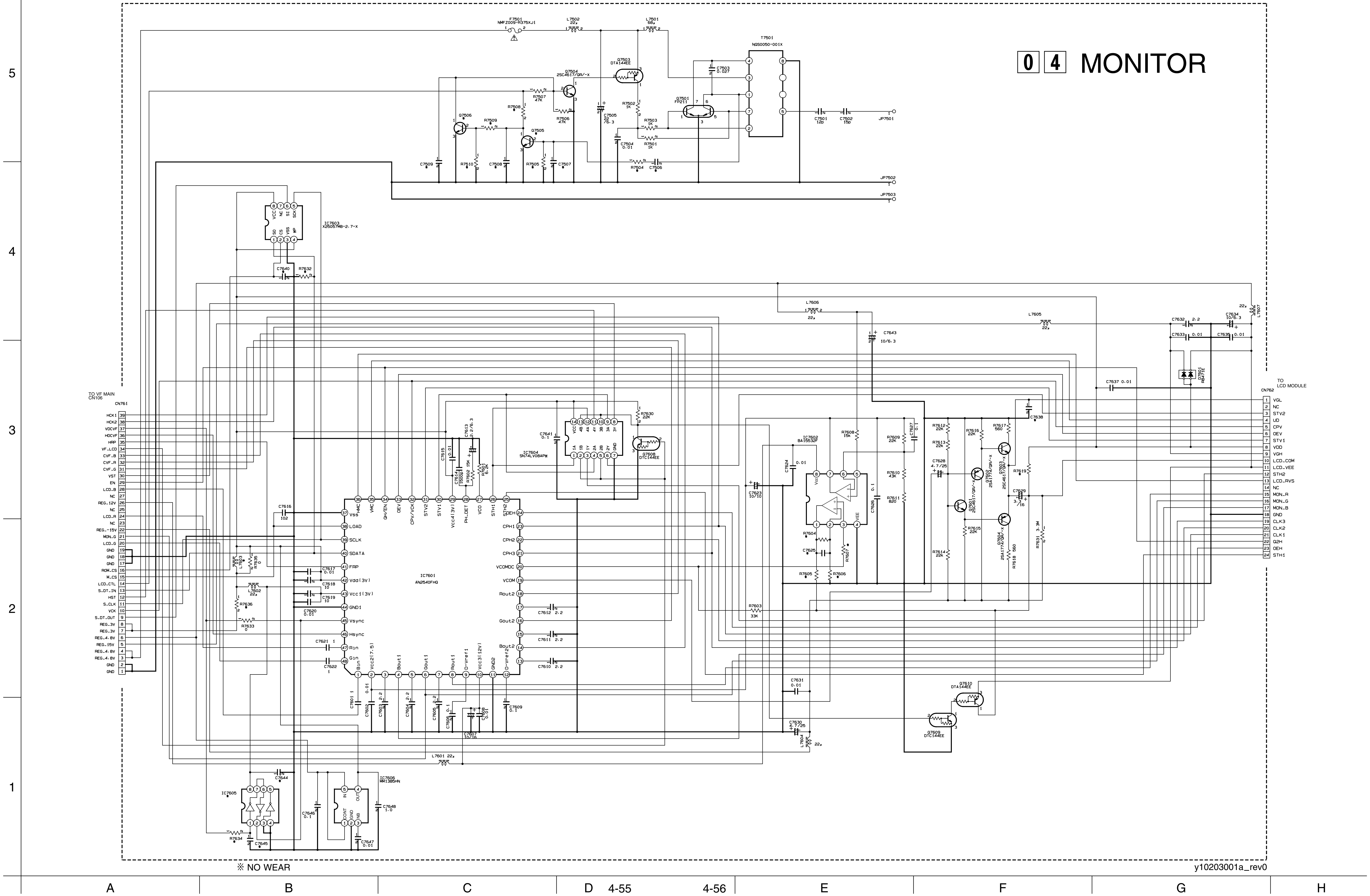
EXCHANGE PARTS LIST

y30132001a_rev0

	IC4807	Q4802	Q4803	Q4804	Q4805	R4825	R4826	R4837,R4839,R4840	R4841,R4842	R4846,R4849
GR-DVX44EG/EK	∗	∗	∗	∗	∗	∗	∗	∗	0	∗
GR-DVX77EG/EK, DVX88EG	TC7W66FU	2SC4617/RS/-X	DTC144EE	DTA144EE	DTA143EE	2.2k	47k	0	∗	0

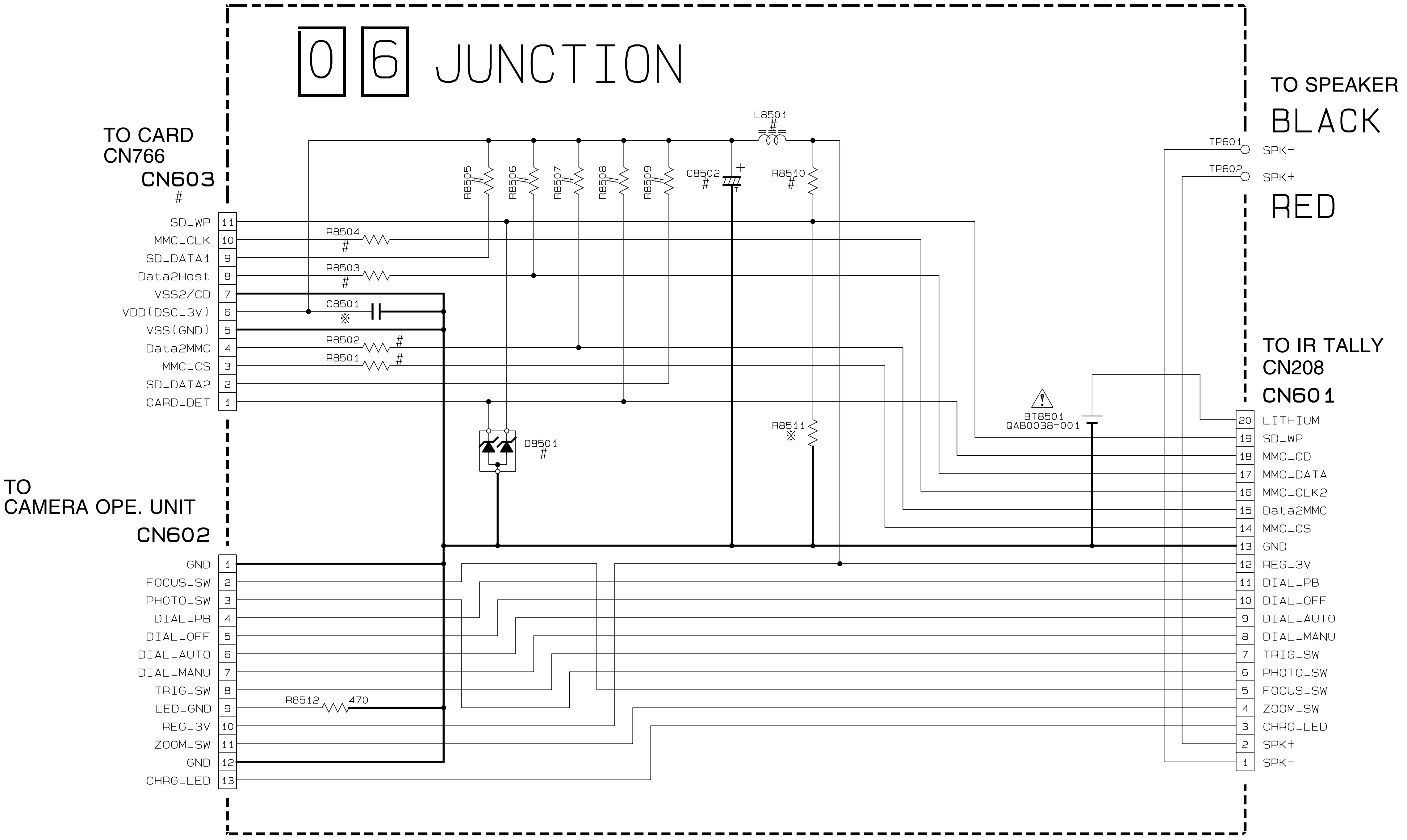
4.28 MONITOR SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*


04 MONITOR
TO VF MAIN CN106
CN761
HCK1 39
HCK2 38
VDCVF 37
HDCVF 36
HRP 35
VF_LCD 34
CVF_B 33
CVF_R 32
CVF_G 31
VST 30
EN 29
LCD_B 28
NC 27
REG_12V 26
NC 25
LCD_R 24
NC 23
REG_-15V 22
MON_G 21
LCD_G 20
GND 19
GND 18
GND 17
ROM_CS 16
M_CS 15
LCD_CTL 14
S_DT_IN 13
HST 12
S_CLK 11
VCK 10
S_DT_OUT 9
REG_3V 8
REG_3V 7
REG_4.8V 6
REG_15V 5
REG_4.8V 4
REG_4.8V 3
GND 2
GND 1
TO LCD MODULE
CN762
1 VGL
2 NC
3 STV2
4 UD
5 CPV
6 OEV
7 STV1
8 VDD
9 VGH
10 LCD_COM
11 LCD_VEE
12 STH2
13 LCD_RVS
14 NC
15 MON_R
16 MON_G
17 MON_B
18 GND
19 CLK3
20 CLK2
21 CLK1
22 Q2H
23 OEH
24 STH1
F7501 NMFZ009-R375XJ1
L7502 22μ
L7501 68μ
T7501 NQS0050-001X
Q7503 DTA144EE
Q7504 2SC4617/QR/-X
Q7501 FP211
Q7506
Q7505
C7501 12p
C7502 15p
JP7501
JP7502
JP7503
IC7603 X25057M8-2.7-X
IC7601 AN2540FHQ
IC7604 SN74LV08APW
Q7608 DTC144EE
IC7602 BA15632F
Q7601 2SA1037/QR/-X
Q7602 2SA1037/QR/-X
Q7603 2SC4617/QR/-X
Q7604 2SA1037/QR/-X
Q7610 DTA144EE
Q7609 DTC144EE
D7601 RB471E
L7606 22μ
L7605 22μ
L7607 22μ
L7601 22μ
L7602 22μ
L7604 22μ
IC7605
IC7606 MM1385HN
※ NO WEAR
y10203001a_rev0
5
4
3
2
1
A
B
C
D
E
F
G
H

4.29 JUNCTION SCHEMATIC DIAGRAM

NOTES :
- For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.


06 JUNCTION
TO CARD
CN766
CN603
#
SD_WP 11
MMC_CLK 10
SD_DATA1 9
Data2Host 8
VSS2/CD 7
VDD(DSC_3V) 6
VSS(GND) 5
Data2MMC 4
MMC_CS 3
SD_DATA2 2
CARD_DET 1
TO
CAMERA OPE. UNIT
CN602
GND 1
FOCUS_SW 2
PHOTO_SW 3
DIAL_PB 4
DIAL_OFF 5
DIAL_AUTO 6
DIAL_MANU 7
TRIG_SW 8
LED_GND 9
REG_3V 10
ZOOM_SW 11
GND 12
CHRG_LED 13
R8504 #
R8503 #
C8501 ※
R8502 #
R8501 #
R8505 #
R8506 #
R8507 #
R8508 #
R8509 #
C8502 #
L8501 #
R8510 #
R8511 ※
D8501 #
R8512 470
BT8501
QAB0038-001
TP601
TP602
TO SPEAKER
BLACK
SPK-
SPK+
RED
TO IR TALLY
CN208
CN601
20 LITHIUM
19 SD_WP
18 MMC_CD
17 MMC_DATA
16 MMC_CLK2
15 Data2MMC
14 MMC_CS
13 GND
12 REG_3V
11 DIAL_PB
10 DIAL_OFF
9 DIAL_AUTO
8 DIAL_MANU
7 TRIG_SW
6 PHOTO_SW
5 FOCUS_SW
4 ZOOM_SW
3 CHRG_LED
2 SPK+
1 SPK-

※ NO WEAR

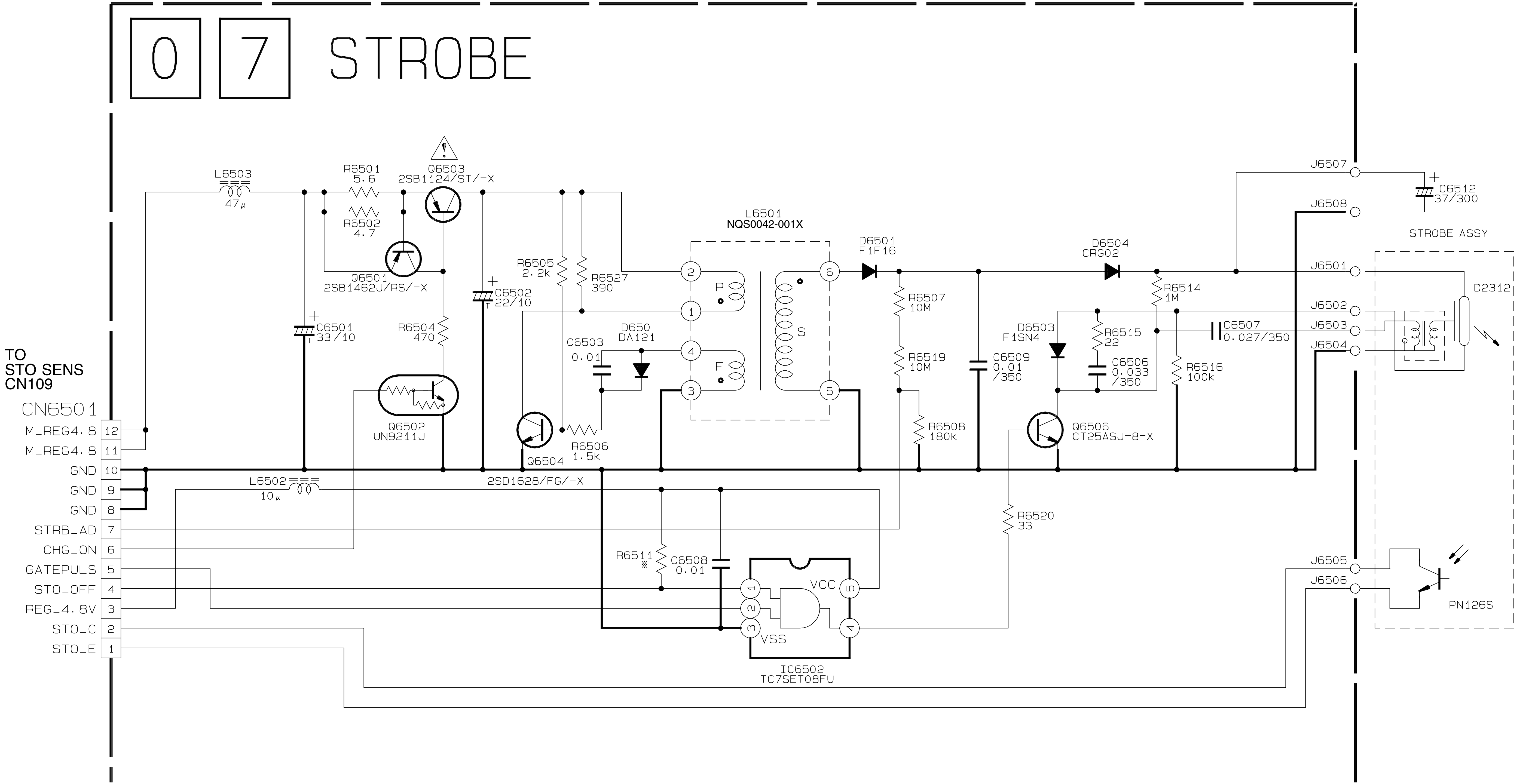
y30133001a_rev0

EXCHANGE PARTS LIST

	GR-DVX44EG/EK	GR-DVX77EG/EK, DVX88EG
R8501	※	0 Ω
R8502	※	0 Ω
R8503	※	0 Ω
R8504	※	0 Ω
R8505	※	47k
R8506	※	10k
R8507	※	10k
R8508	※	47k
R8509	※	47k
R8510	※	100k
C8502	※	10/6.3
D8501	※	EMZ6.8N
L8501	※	NQR0129-002X
CN603	※	QGF0505F1-11X

4.30 STROBE SCHEMATIC DIAGRAM [GR-DVX77EG/EK, DVX88EG]

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

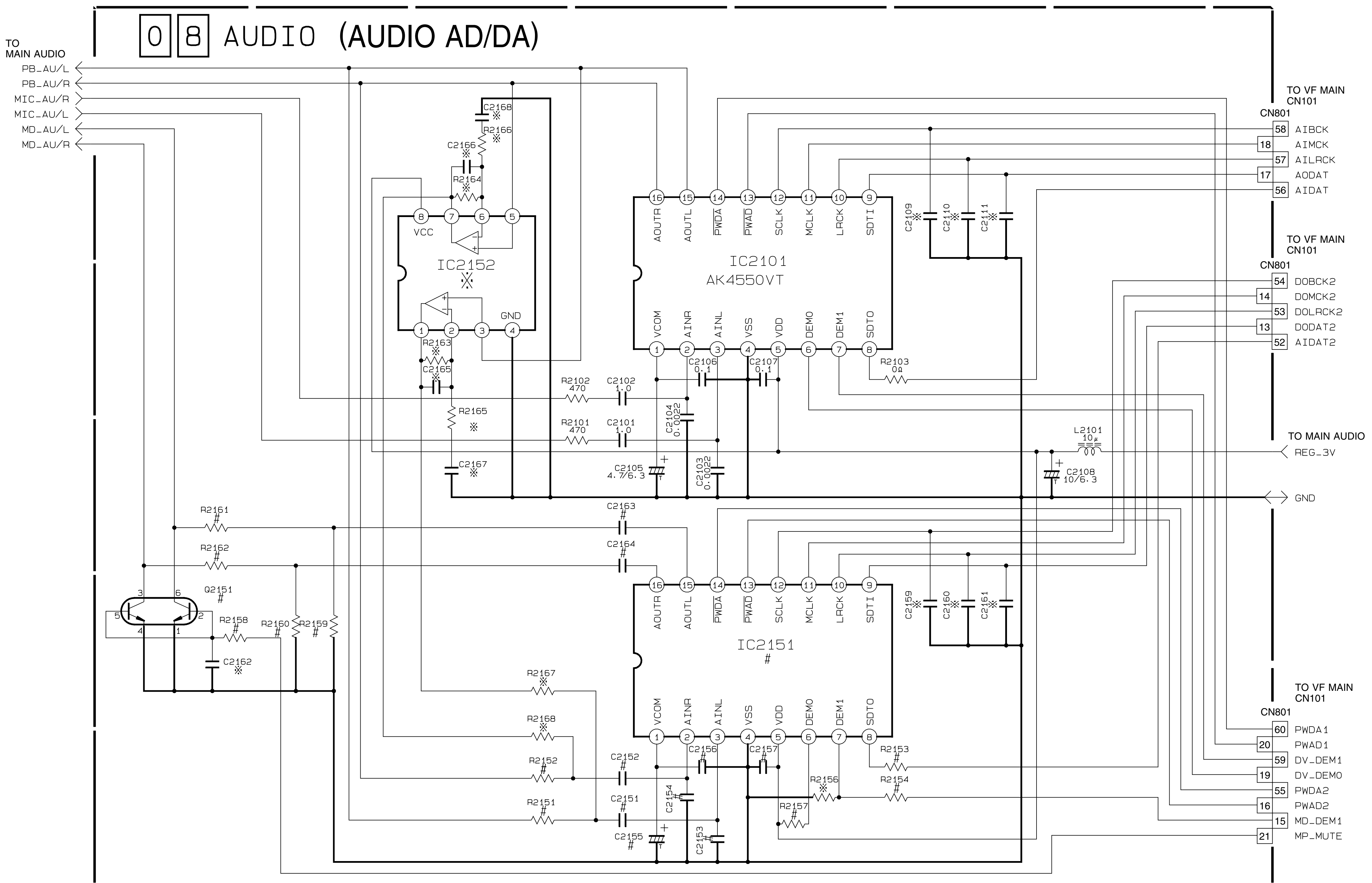

0 7 STROBE
TO STO SENS CN109
CN6501
M_REG4.8 12
M_REG4.8 11
GND 10
GND 9
GND 8
STRB_AD 7
CHG_ON 6
GATEPULS 5
STO_OFF 4
REG_4.8V 3
STO_C 2
STO_E 1
L6503 47μ
R6501 5.6
R6502 4.7
Q6503 2SB1124/ST/-X
Q6501 2SB1462J/RS/-X
C6501 33/10
C6502 22/10
R6504 470
Q6502 UN9211J
L6502 10μ
R6505 2.2k
R6527 390
C6503 0.01
D650 DA121
Q6504 2SD1628/FG/-X
R6506 1.5k
L6501 NQS0042-001X
P
F
S
1 2 3 4 5 6
D6501 F1F16
R6507 10M
R6519 10M
R6508 180k
C6509 0.01 /350
D6504 CRG02
R6514 1M
D6503 F1SN4
R6515 22
C6506 0.033 /350
R6516 100k
C6507 0.027/350
Q6506 CT25ASJ-8-X
R6520 33
R6511 ※
C6508 0.01
IC6502 TC7SET08FU
VCC
VSS
J6507
J6508
C6512 37/300
STROBE ASSY
J6501
J6502
J6503
J6504
D2312
J6505
J6506
PN126S
5 4 3 2 1
A B C D E F G H

※ NO WEAR

y30138001a_rev0

4.31 AUDIO AD/DA SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



08 AUDIO (AUDIO AD/DA)
TO MAIN AUDIO
PB_AU/L
PB_AU/R
MIC_AU/R
MIC_AU/L
MD_AU/L
MD_AU/R
IC2152 ※
VCC
GND
C2168 ※
R2166 ※
C2166 ※
R2164 ※
R2163 ※
C2165 ※
R2165 ※
C2167 ※
IC2101
AK4550VT
AOUTR
AOUTL
PWDA
PWAD
SCLK
MCLK
LRCK
SDTI
VCOM
AINR
AINL
VSS
VDD
DEM0
DEM1
SDTO
C2109 ※
C2110 ※
C2111 ※
R2102 470
C2102 1.0
R2101 470
C2101 1.0
C2104 0.0022
C2105 4.7/6.3
C2103 0.0022
C2106 0.1
C2107 0.1
R2103 0Ω
L2101 10μ
C2108 10/6.3
TO VF MAIN CN101
CN801
58 AIBCK
18 AIMCK
57 AILRCK
17 AODAT
56 AIDAT
54 DOBCK2
14 DOMCK2
53 DOLRCK2
13 DODAT2
52 AIDAT2
TO MAIN AUDIO
REG_3V
GND
60 PWDA1
20 PWAD1
59 DV_DEM1
19 DV_DEM0
55 PWDA2
16 PWAD2
15 MD_DEM1
21 MP_MUTE
C2163 #
C2164 #
R2161 #
R2162 #
Q2151 #
R2158 #
R2160 #
R2159 #
C2162 ※
IC2151 #
C2159 ※
C2160 ※
C2161 ※
R2167 ※
R2168 ※
R2152 #
R2151 #
C2152 #
C2151 #
C2154 #
C2155 #
C2153 #
C2156 #
C2157 #
R2156 ※
R2157 #
R2153 #
R2154 #

y30134001a_rev0

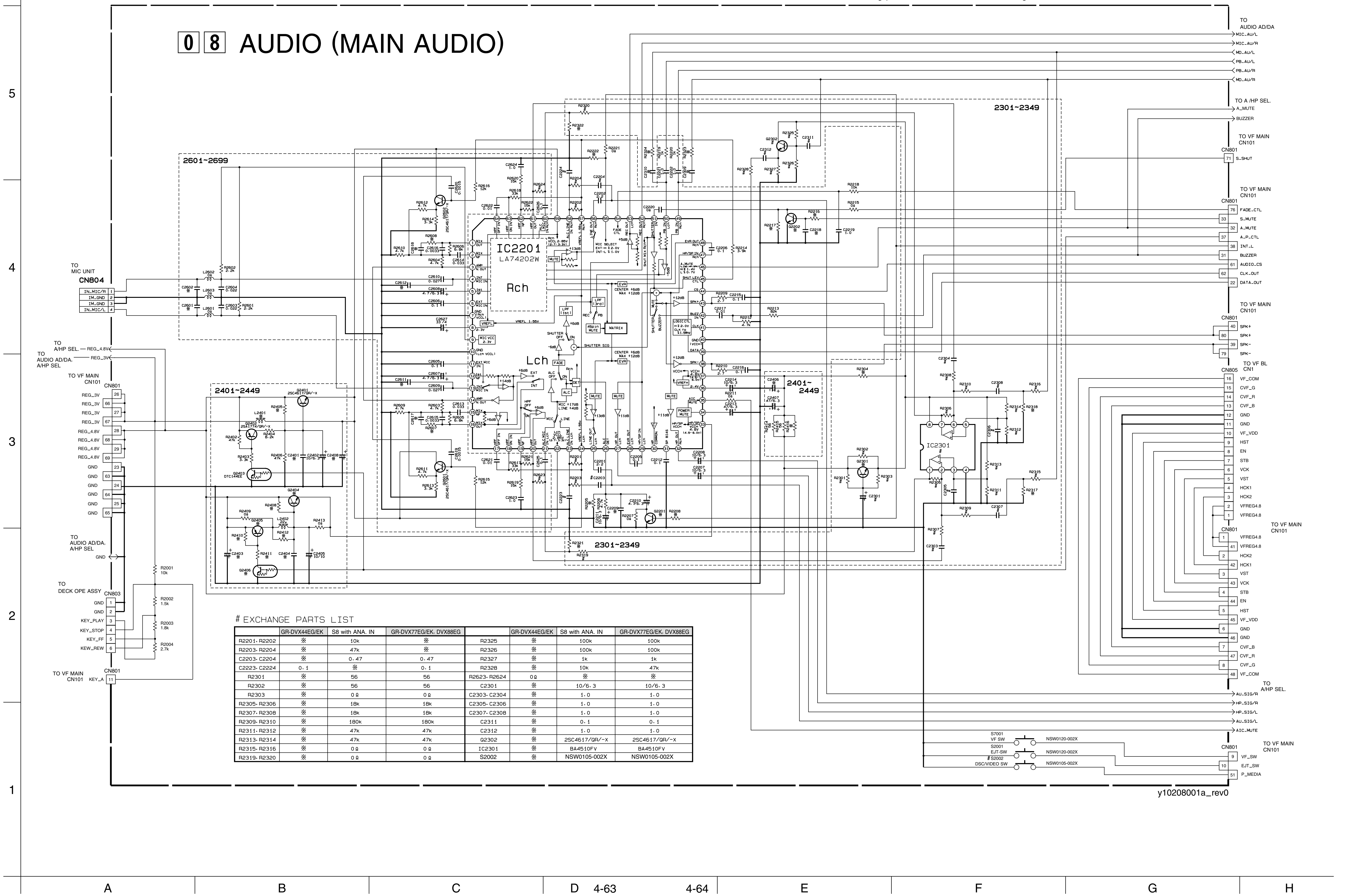
※ NO WEAR

# EXCHANGE PARTS LIST

	GR-DVX44EG/EK	GR-DVX77EG/EK, DVX88EG		GR-DVX44EG/EK	GR-DVX77EG/EK, DVX88EG
R2151	※	470	C2153	※	0.0022
R2152	※	470	C2154	※	0.0022
R2153	※	0 Ω	C2155	※	4.7/6.3
R2154	※	0 Ω	C2156	※	0.1
R2157	※	0 Ω	C2157	※	0.1
R2158	※	3.3k	C2163	※	1.0
R2159	※	560k	C2164	※	1.0
R2160	※	560k	Q2151	※	UMX18N
R2161	※	10k	IC2151	※	AK4550VT
R2162	※	10k			
C2151	※	1.0			
C2152	※	1.0			

4.32 MAIN AUDIO SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



08 AUDIO (MAIN AUDIO)
IC2201 LA74202W
Rch
Lch
IC2301
2601~2699
2401~2449
2301~2349
TO MIC UNIT
CN804
IN_MIC/R
IM_GND
IM_GND
IN_MIC/L
TO A/HP SEL.
REG_4.8V
TO AUDIO AD/DA, A/HP SEL
REG_3V
TO VF MAIN CN101
CN801
REG_3V
REG_4.8V
GND
TO AUDIO AD/DA, A/HP SEL
GND
TO DECK OPE ASSY
CN803
KEY_PLAY
KEY_STOP
KEY_FF
KEW_REW
KEY_A
TO AUDIO AD/DA
MIC_AU/L
MIC_AU/R
MD_AU/L
PB_AU/L
PB_AU/R
MD_AU/R
TO A /HP SEL.
A_MUTE
BUZZER
S_SHUT
FADE_CTL
S_MUTE
A_MUTE
A_P_CTL
INT_L
BUZZER
AUDIO_CS
CLK_OUT
DATA_OUT
SPK+
SPK+
SPK-
SPK-
TO VF BL CN1
CN805
VF_COM
CVF_G
CVF_R
CVF_B
GND
VF_VDD
HST
EN
STB
VCK
VST
HCK1
HCK2
VFREG4.8
HCK1
TO A/HP SEL.
AU_SIG/R
HP_SIG/R
HP_SIG/L
AU_SIG/L
AIC_MUTE
S7001 VF SW
S2001 EJT-SW
#S2002 DSC/VIDEO SW
NSW0120-002X
NSW0105-002X
VF_SW
EJT_SW
P_MEDIA
y10208001a_rev0
A
B
C
D
E
F
G
H
1
2
3
4
5

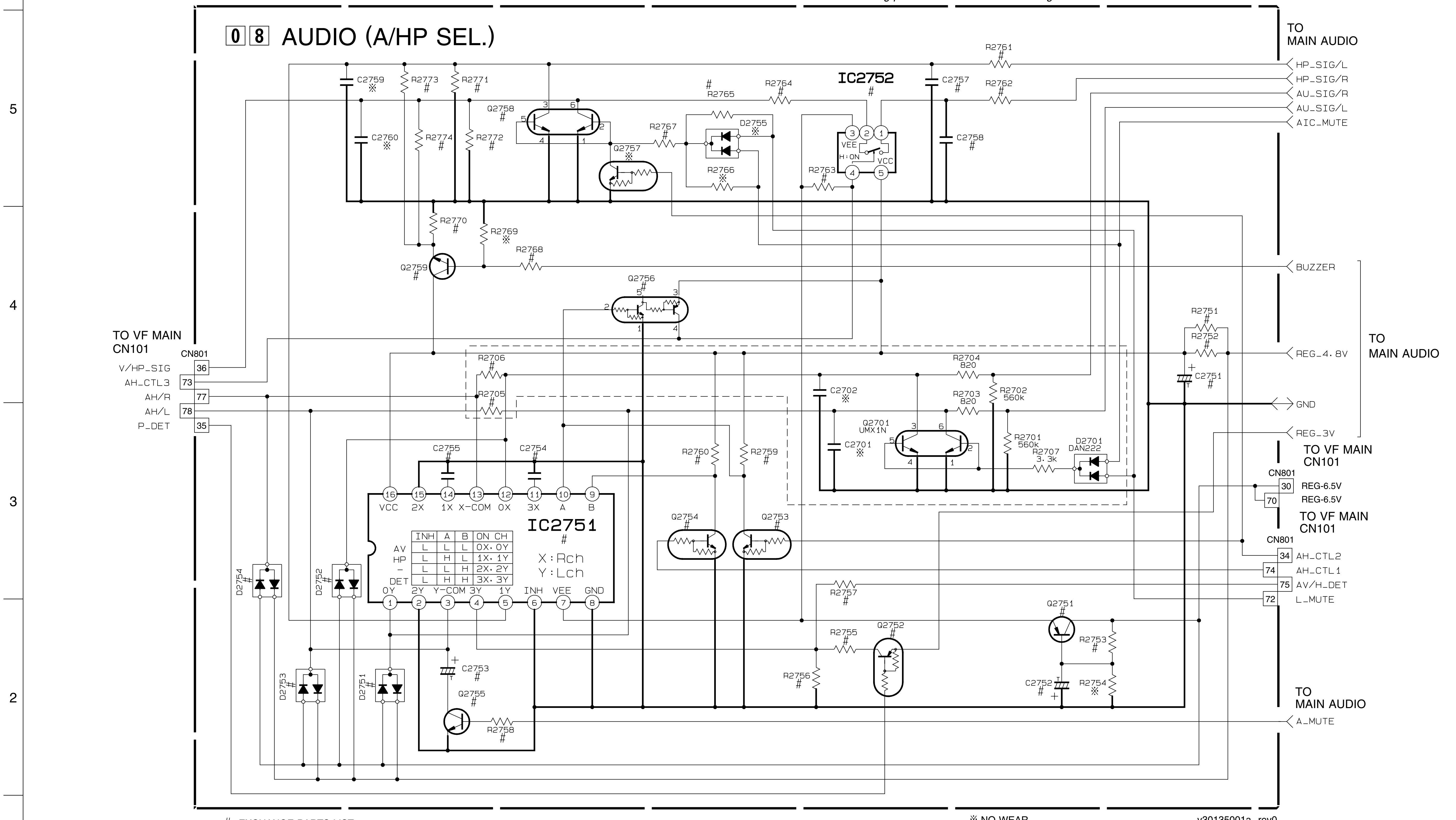
EXCHANGE PARTS LIST

	GR-DVX44EG/EK	S8 with ANA. IN	GR-DVX77EG/EK, DVX88EG
R2201, R2202	※	10k	※
R2203, R2204	※	47k	※
C2203, C2204	※	0.47	0.47
C2223, C2224	0.1	※	0.1
R2301	※	56	56
R2302	※	56	56
R2303	※	0Ω	0Ω
R2305, R2306	※	18k	18k
R2307, R2308	※	18k	18k
R2309, R2310	※	180k	180k
R2311, R2312	※	47k	47k
R2313, R2314	※	47k	47k
R2315, R2316	※	0Ω	0Ω
R2319, R2320	※	0Ω	0Ω

	GR-DVX44EG/EK	S8 with ANA. IN	GR-DVX77EG/EK, DVX88EG
R2325	※	100k	100k
R2326	※	100k	100k
R2327	※	1k	1k
R2328	※	10k	47k
R2623, R2624	0Ω	※	※
C2301	※	10/6.3	10/6.3
C2303, C2304	※	1.0	1.0
C2305, C2306	※	1.0	1.0
C2307, C2308	※	1.0	1.0
C2311	※	0.1	0.1
C2312	※	1.0	1.0
Q2302	※	2SC4617/QR/-X	2SC4617/QR/-X
IC2301	※	BA4510FV	BA4510FV
S2002	※	NSW0105-002X	NSW0105-002X

4.33 A/HP SEL. SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



0 8 AUDIO (A/HP SEL.)
5
4
3
2
1
TO MAIN AUDIO
HP_SIG/L
HP_SIG/R
AU_SIG/R
AU_SIG/L
AIC_MUTE
BUZZER
TO MAIN AUDIO
REG_4.8V
GND
REG_3V
TO VF MAIN CN101
CN801
30 REG-6.5V
70 REG-6.5V
TO VF MAIN CN101
CN801
34 AH_CTL2
74 AH_CTL1
75 AV/H_DET
72 L_MUTE
TO MAIN AUDIO
A_MUTE
TO VF MAIN CN101
CN801
36 V/HP_SIG
73 AH_CTL3
77 AH/R
78 AH/L
35 P_DET
IC2752 #
VEE H:ON VCC
IC2751 #
VCC 2X 1X X-COM 0X 3X A B
0Y 2Y Y-COM 3Y 1Y INH VEE GND
INH A B ON CH
AV L L L 0X, 0Y
HP L L H 1X, 1Y
- L H L 2X, 2Y
DET L H H 3X, 3Y
X:Rch
Y:Lch
C2759 ※
C2760 ※
R2773 #
R2774 #
R2771 #
R2772 #
Q2758 #
Q2757 ※
R2765 #
R2764 #
R2767 #
D2755 ※
R2766 ※
R2763 #
R2761 #
R2762 #
C2757 #
C2758 #
R2770 #
R2769 ※
R2768 #
Q2759 #
Q2756 #
R2706 #
R2705 #
C2755 #
C2754 #
C2702 ※
C2701 ※
Q2701 UMX1N
R2704 820
R2703 820
R2702 560k
R2701 560k
R2707 3.3k
D2701 DAN222
R2751 #
R2752 #
C2751 #
R2760 #
R2759 #
Q2754 #
Q2753 #
R2757 #
R2755 #
R2756 #
Q2752 #
Q2751 #
R2753 #
R2754 ※
C2752 #
D2754
D2752
D2753
D2751
C2753 #
Q2755 #
R2758 #

EXCHANGE PARTS LIST

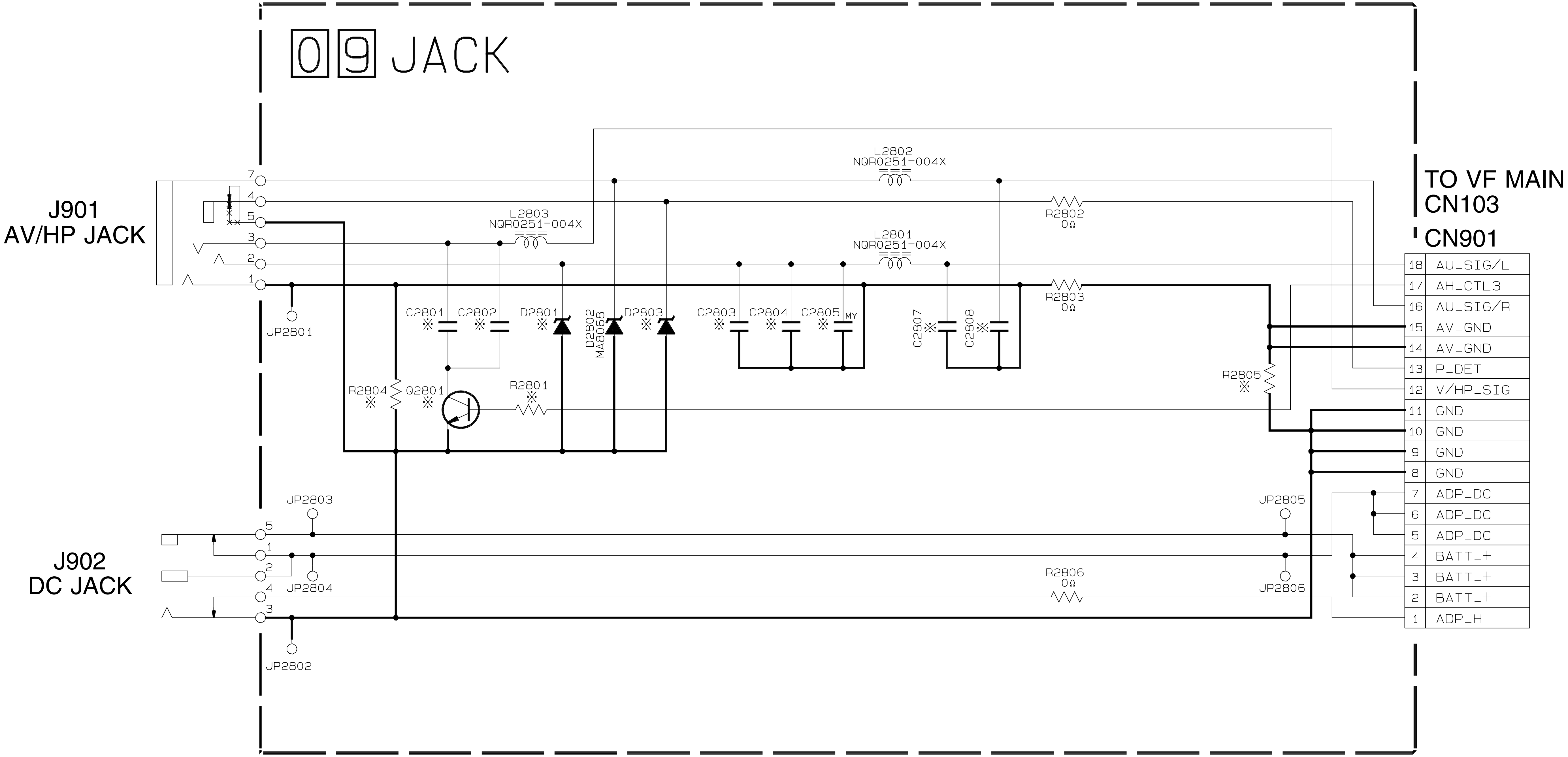
	GR-DVX44EG/EK	GR-DVX77EG/EK, DVX88EG		GR-DVX44EG/EK	GR-DVX77EG/EK, DVX88EG		GR-DVX44EG/EK	GR-DVX77EG/EK, DVX88EG
R2751	※	82	R2765	※	0Ω	R2705, R2706	0Ω	※
R2752	※	82	R2767	※	3.3k	C2757	※	0.047
R2753	※	1.8k	R2768	※	10k	C2758	※	0.1
R2755	※	2.2k	R2770	※	10k	D2751-D2754	※	DA221
R2756	※	560k	R2771	※	10k	Q2751	※	2SA1774/QR/-x
R2757	※	0Ω	R2772	※	10k	Q2752	※	DTA144EE
R2758	※	1k	R2773	※	8.2k	Q2753, Q2754	※	DTC144EE
R2759	※	10k	R2774	※	8.2k	Q2755	※	2SC4617/QR/-X
R2760	※	100k	C2751	※	10/6.3	Q2756	※	UMC4N
R2761	※	220	C2752	※	10/10	Q2758	※	UMX18N
R2762	※	10	C2753	※	47/6.3	Q2759	※	2SC4617/QR/-X
R2763	※	100k	C2755	※	1.0	IC2751	※	TC74HC4052AFT
R2764	※	220	C2754	※	100p	IC2752	※	TC7S66FU

※ NO WEAR

y30135001a_rev0

4.34 JACK SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*


09 JACK
J901
AV/HP JACK
J902
DC JACK
TO VF MAIN
CN103
CN901
L2802
NQR0251-004X
L2803
NQR0251-004X
L2801
NQR0251-004X
R2802
0Ω
R2803
0Ω
R2805 ※
R2806
0Ω
R2804 ※
Q2801 ※
R2801 ※
C2801 ※
C2802 ※
D2801 ※
D2802
MA8068
D2803 ※
C2803 ※
C2804 ※
C2805 ※ MY
C2807 ※
C2808 ※
JP2801
JP2802
JP2803
JP2804
JP2805
JP2806
18 AU_SIG/L
17 AH_CTL3
16 AU_SIG/R
15 AV_GND
14 AV_GND
13 P_DET
12 V/HP_SIG
11 GND
10 GND
9 GND
8 GND
7 ADP_DC
6 ADP_DC
5 ADP_DC
4 BATT_+
3 BATT_+
2 BATT_+
1 ADP_H

※ NO WEAR

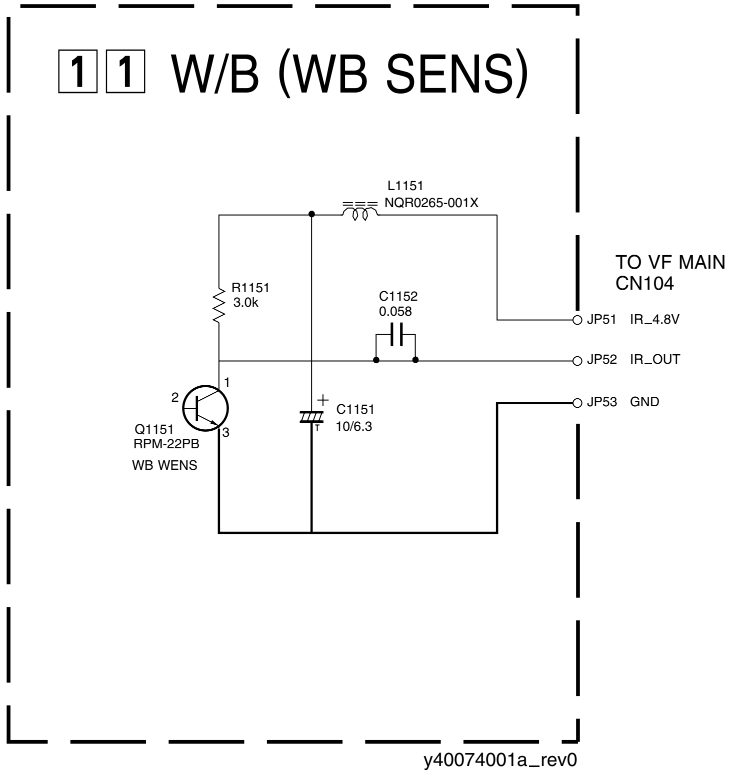
y30136001a_rev0

4.35 WB SENS, CAMERA OPE. UNIT, DECK OPE. ASSY AND SUB OPE. UNIT SCHEMATIC DIAGRAMS

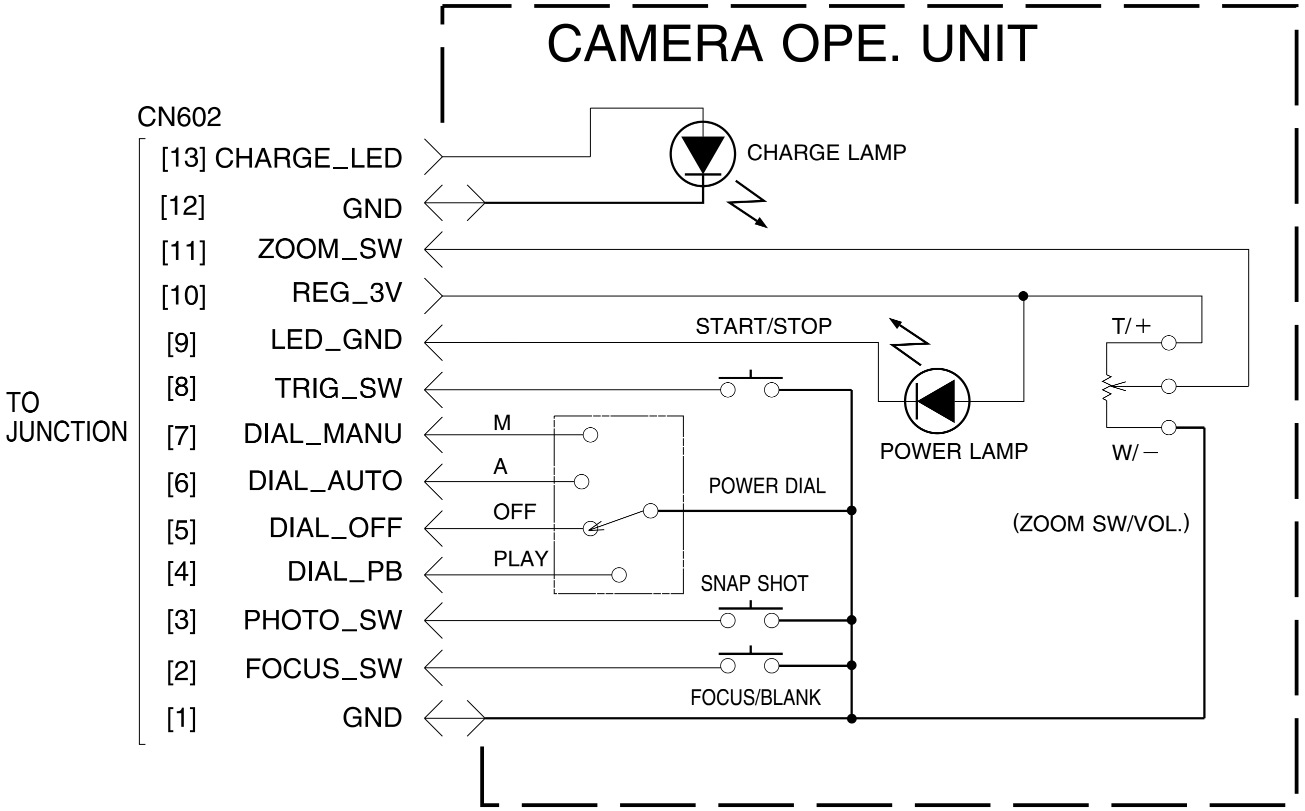
NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *The schematic diagram is only for reference. Avoid replacing individual parts. Replace the entire unit only.*

—WB SENS—

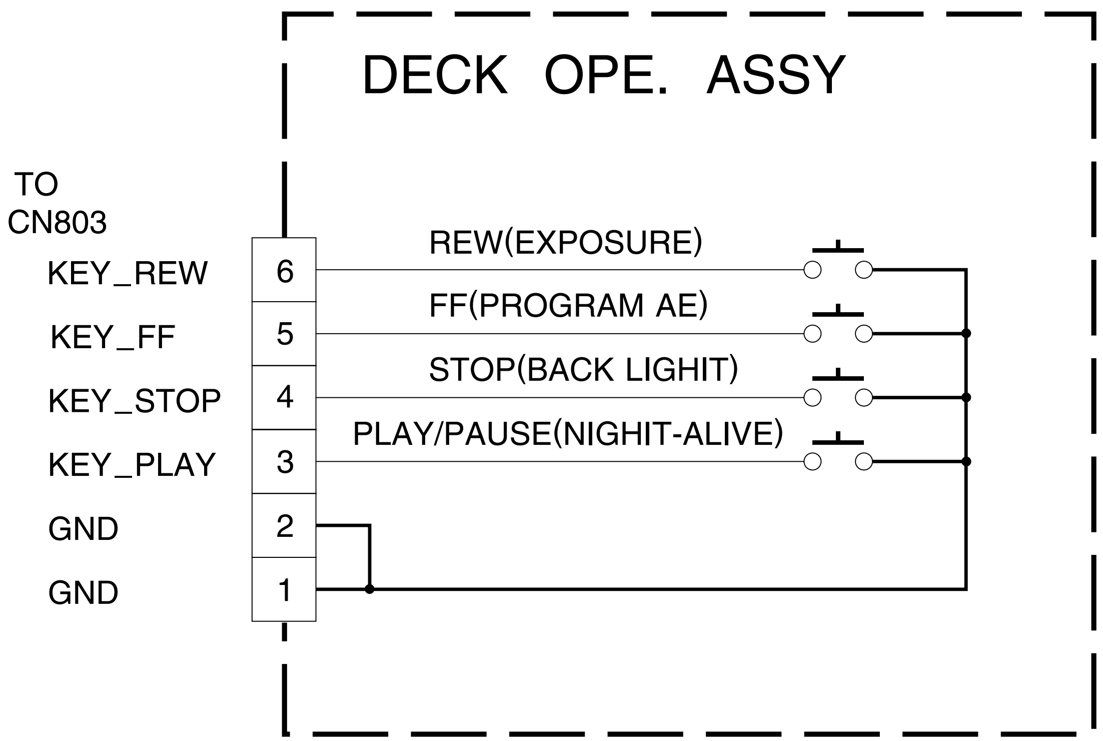
NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*


1 1 W/B (WB SENS)
L1151
NQR0265-001X
R1151
3.0k
C1152
0.058
C1151
10/6.3
Q1151
RPM-22PB
WB WENS
1
2
3
TO VF MAIN
CN104
JP51 IR_4.8V
JP52 IR_OUT
JP53 GND
y40074001a_rev0

—CAMERA OPE. UNIT—

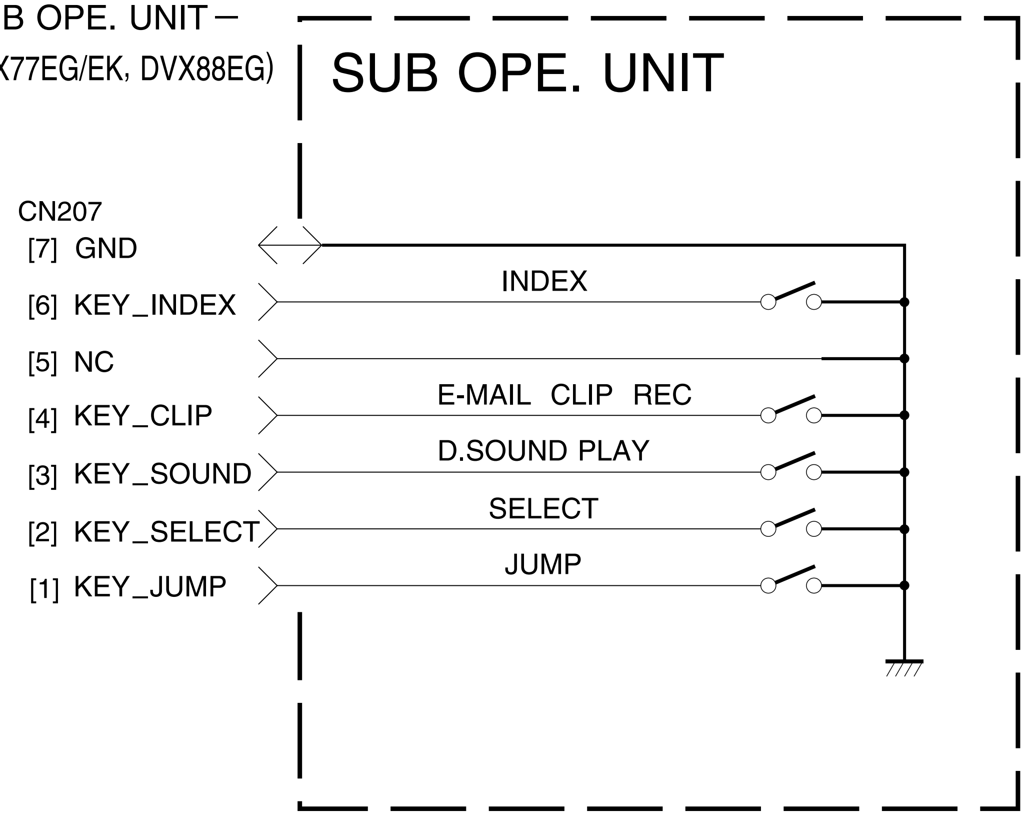

CAMERA OPE. UNIT
CN602
TO JUNCTION
[13] CHARGE_LED
[12] GND
[11] ZOOM_SW
[10] REG_3V
[9] LED_GND
[8] TRIG_SW
[7] DIAL_MANU
[6] DIAL_AUTO
[5] DIAL_OFF
[4] DIAL_PB
[3] PHOTO_SW
[2] FOCUS_SW
[1] GND
CHARGE LAMP
START/STOP
POWER LAMP
T/+
W/−
(ZOOM SW/VOL.)
M
A
OFF
PLAY
POWER DIAL
SNAP SHOT
FOCUS/BLANK

—DECK OPE. ASSY—


DECK OPE. ASSY
TO
CN803
KEY_REW 6
KEY_FF 5
KEY_STOP 4
KEY_PLAY 3
GND 2
GND 1
REW(EXPOSURE)
FF(PROGRAM AE)
STOP(BACK LIGHIT)
PLAY/PAUSE(NIGHIT-ALIVE)

—SUB OPE. UNIT—

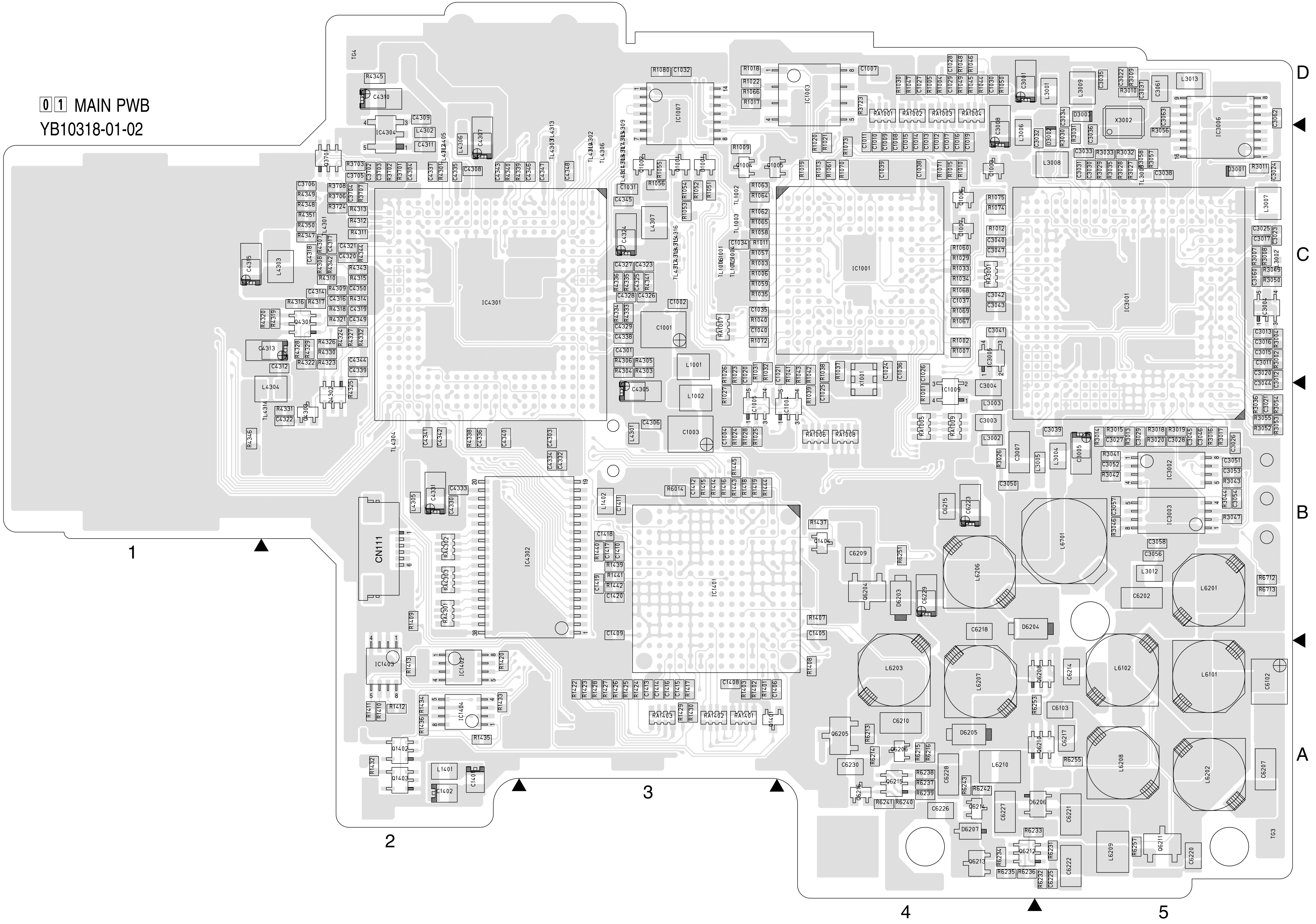
(GR-DVX77EG/EK, DVX88EG)


SUB OPE. UNIT
CN207
[7] GND
[6] KEY_INDEX
[5] NC
[4] KEY_CLIP
[3] KEY_SOUND
[2] KEY_SELECT
[1] KEY_JUMP
INDEX
E-MAIL CLIP REC
D.SOUND PLAY
SELECT
JUMP

4.36 MAIN CIRCUIT BOARD [GR-DVX44EG/EK]

FOIL SIDE(B)

01 MAIN PWB
YB10318-01-02


D
C
B
A
1
2
3
4
5
IC4301
IC4302
IC1001
IC1401
IC3001
IC1003
IC1007
IC3006
IC3002
IC3003
IC1402
IC1403
IC1404
IC4304
CN111
L6201
L6202
L6203
L6206
L6207
L6208
L6101
L6102
L6701
X3002
X1001
C1001
C1003
C6102
C6202
C6207
TG3
TG4

COMPONENT PARTS LOCATION GUIDE ＜MAIN＞ [GR-DVX44EG/EK]

REF.NO.	LOCATION		
CAPACITOR			
C1001	B	C	3C
C1002	B	C	3C
C1003	B	C	3B
C1004	B	C	3B
C1005	A	C	2C
C1006	A	C	2C
C1007	B	C	4D
C1008	B	C	4C
C1009	B	C	4C
C1010	B	C	4C
C1011	B	C	4C
C1012	B	C	4C
C1013	B	C	4C
C1014	B	C	4C
C1015	B	C	4C
C1016	B	C	4C
C1017	B	C	4C
C1019	B	C	4C
C1020	B	C	3C
C1021	B	C	4C
C1022	A	C	3B
C1023	A	C	3B
C1024	B	C	4C
C1025	B	C	4B
C1026	B	C	4C
C1027	B	C	4D
C1028	B	C	4D
C1029	B	C	4D
C1030	B	C	4D
C1031	B	C	3C
C1032	B	C	3D
C1034	B	C	3C
C1035	B	C	3C
C1036	B	C	4C
C1037	B	C	4C
C1038	B	C	4C
C1039	B	C	4C
C1040	B	C	3C
C1101	A	C	3B
C1102	A	C	3B
C1103	A	C	3B
C1111	A	C	3B
C1112	A	C	3B
C1113	A	C	3B
C1301	A	C	3B
C1302	A	C	3A
C1303	A	C	4A
C1304	A	C	4A
C1305	A	C	4A
C1306	A	C	4A
C1307	A	C	3A
C1401	B	C	2A
C1402	B	C	2A
C1405	B	C	4B
C1406	B	C	4A
C1408	B	C	3A
C1409	B	C	3B
C1410	B	C	3B
C1411	B	C	3B
C1412	B	C	3B
C1413	B	C	3A
C1414	B	C	3A
C1415	B	C	3A
C1416	B	C	3A
C1417	B	C	3B
C1418	B	C	3B
C1419	B	C	3B
C1420	B	C	3B
C3001	B	C	4D
C3003	B	C	4B
C3004	B	C	4B
C3005	B	C	5B
C3007	B	C	4B
C3008	B	C	4C
C3011	B	C	5C
C3012	B	C	5C
C3013	B	C	5C
C3015	B	C	5C
C3016	B	C	5C
C3017	B	C	5C
C3020	B	C	5C
C3021	B	C	5B
C3022	B	C	5D
C3023	B	C	5C
C3024	B	C	5C
C3025	B	C	5C
C3026	B	C	5B
C3027	B	C	5B
C3028	B	C	5B
C3029	B	C	5B
C3030	B	C	5C
C3031	B	C	5C
C3032	B	C	5C
C3033	B	C	5C
C3034	B	C	5D
C3035	B	C	5D
C3036	B	C	5C
C3037	B	C	5D
C3038	B	C	5C
C3039	B	C	5B
C3040	B	C	4C
C3041	B	C	4C
C3042	B	C	4C
C3043	B	C	4C
C3044	B	C	5B
C3045	B	C	5B
C3046	B	C	5B
C3047	B	C	4C
C3051	B	C	5B
C3052	B	C	5B
C3053	B	C	5B
C3054	B	C	5B
C3056	B	C	5B
C3057	B	C	5B
C3058	B	C	5B
C3060	B	C	5C
C3061	B	C	5D
C3062	B	C	5D
C3063	B	C	5D
C3501	A	C	4C
C3502	A	C	3C
C3503	A	C	3C
C3504	A	C	3C
C3505	A	C	3C
C3506	A	C	3C
C3507	A	C	3C
C3508	A	C	3C
C3509	A	C	3C
C3510	A	C	3C
C3511	A	C	4C
C3512	A	C	4C
C3513	A	C	4C
C3514	A	C	4C
C3515	A	C	4C
C3516	A	C	4C
C3517	A	C	4C
C3518	A	C	4C
C3519	A	C	3C
C3520	A	C	3C
C3521	A	C	3C
C3522	A	C	3C
C3523	A	C	3C
C3524	A	C	3C
C3525	A	C	3C
C3526	A	C	3C
C3527	A	C	4C
C3701	A	C	5C
C3702	B	C	2C
C3703	B	C	2C
C3704	B	C	2C
C3705	B	C	2C
C3706	B	C	2C
C3707	A	C	5D
C3708	A	C	5D
C3709	A	C	5C
C3710	A	C	5C
C3711	A	C	5C
C3712	A	C	5C
C3715	A	C	5C
C4201	A	C	2C
C4202	A	C	2C
C4203	A	C	2C
C4204	A	C	2B
C4205	A	C	2B
C4206	A	C	1B
C4207	A	C	1B
C4208	A	C	2B
C4209	A	C	2B
C4210	A	C	1C
C4211	A	C	1C
C4212	A	C	1C
C4213	A	C	1C
C4214	A	C	2C
C4215	A	C	2C
C4216	A	C	2C
C4301	B	C	3C
C4303	B	C	3B
C4304	B	C	2C
C4305	B	C	3B
C4306	B	C	3B
C4307	B	C	2C
C4308	B	C	2C
C4309	B	C	2D
C4310	B	C	2D
C4311	B	C	2C
C4312	B	C	2C
C4313	B	C	2C
C4314	B	C	2C
C4315	B	C	1C
C4316	B	C	2C
C4317	B	C	2C
C4318	B	C	2C
C4319	B	C	2C
C4320	B	C	2C
C4321	B	C	2C
C4322	B	C	2B
C4323	B	C	3C
C4324	B	C	3C
C4325	B	C	3C
C4326	B	C	3C
C4327	B	C	3C
C4328	B	C	3C
C4329	B	C	3C
C4330	B	C	2B
C4331	B	C	2B
C4332	B	C	3B
C4333	B	C	2B
C4334	B	C	3B
C4335	B	C	2C
C4336	B	C	2B
C4337	B	C	2C
C4338	B	C	3C
C4339	B	C	2C
C4340	B	C	2B
C4341	B	C	2B
C4342	B	C	2B
C4343	B	C	2C
C4344	B	C	2C
C4345	B	C	3C
C4346	B	C	3C
C4347	B	C	3C
C4348	B	C	3C
C4349	B	C	2C
C4350	B	C	2C
C5501	A	C	1C
C5503	A	C	1C
C5504	A	C	1C
C5505	A	C	1C
C5506	A	C	1C
C5507	A	C	1C
C5508	A	C	1C
C5509	A	C	1B
C5510	A	C	1B
C5511	A	C	1C
C5512	A	C	2C
C5513	A	C	1C
C5514	A	C	2C
C5515	A	C	1C
C5516	A	C	1C
C5517	A	C	1C
C5518	A	C	1C
C5519	A	C	2C
C6001	A	C	4B
C6002	A	C	4B
C6003	A	C	4B
C6004	A	C	4B
C6005	A	C	4B
C6101	A	C	5C
C6102	B	C	5A
C6103	B	C	5A
C6105	A	C	5C
C6106	A	C	4C
C6107	A	C	4C
C6108	A	C	4C
C6109	A	C	4C
C6110	A	C	5B
C6111	A	C	5B
C6112	A	C	5B
C6113	A	C	5B
C6114	A	C	5B
C6115	A	C	5B
C6116	A	C	5B
C6117	A	C	5B
C6118	A	C	4B
C6119	A	C	4B
C6120	A	C	5B
C6121	A	C	4A
C6122	A	C	4B
C6123	A	C	4B
C6124	A	C	4B
C6125	A	C	4B
C6126	A	C	4A
C6127	A	C	4B
C6128	A	C	4B
C6129	A	C	4B
C6130	A	C	4C
C6132	A	C	5B
C6134	A	C	4B
C6201	A	C	5B
C6202	B	C	5B
C6203	A	C	5B
C6204	A	C	4B
C6205	A	C	4A
C6206	A	C	5B
C6207	B	C	5A
C6208	A	C	5B
C6209	B	C	4B
C6210	B	C	4A
C6211	A	C	5B
C6214	B	C	5A
C6215	B	C	4B
C6216	A	C	5B
C6217	B	C	5A
C6218	B	C	4B
C6219	A	C	5B
C6220	B	C	5A
C6221	B	C	5A
C6222	B	C	5A
C6223	B	C	4B
C6224	A	C	5B
C6225	B	C	5A
C6226	B	C	4A
C6227	B	C	4A
C6228	B	C	4A
C6229	B	C	4B
C6230	B	C	4A
C6701	A	C	5B
C6702	A	C	5B
C6703	A	C	5B
C6704	A	C	5B
C6705	A	C	5B
C7001	A	C	2A
C7002	A	C	3A
C7003	A	C	3A
C7004	A	C	3A
CONNECTOR			
CN101	A	C	2A
CN102	A	C	4D
CN103	A	C	4C
CN104	A	C	1C
CN105	A	C	2B
CN106	A	C	2B
CN107	A	C	1B
CN110	A	C	3D
CN111	B	C	2B
CN112	A	C	5B
DIODE			
D1001	B	C	3C
D1301	A	C	4A
D1302	A	C	3A
D2901	A	C	5C
D2903	A	C	5B
D2904	A	C	5C
D2905	A	C	5C
D3001	B	C	5C
D3002	B	C	5C
D3003	B	C	5D
D3701	A	C	5C
D5501	A	C	1C
D6001	A	C	4B
D6002	A	C	4B
D6201	A	C	5B
D6202	A	C	5B
D6203	B	C	4B
D6204	B	C	4B
D6205	B	C	4A
D6206	B	C	5A
D6207	B	C	4A
D6701	A	C	5B
D6702	A	C	5B
IC			
IC1001	B	C	4C
IC1002	A	C	3C
IC1003	B	C	4D
IC1004	B	C	4B
IC1005	B	C	3B
IC1006	A	C	3B
IC1007	B	C	3D
IC1009	B	C	4B
IC1101	A	C	3B
IC1301	A	C	3B
IC1302	A	C	3A
IC1303	A	C	3A
IC1401	B	C	3B
IC1402	B	C	2A
IC1403	B	C	2A
IC1404	B	C	2A
IC3001	B	C	5C
IC3002	B	C	5B
IC3003	B	C	5B
IC3004	B	C	5C
IC3005	B	C	4C
IC3006	B	C	5C
IC3501	A	C	3C
IC3701	A	C	5C
IC4201	A	C	2C
IC4202	A	C	2C
IC4301	B	C	2C
IC4302	B	C	3B
IC4304	B	C	2C
IC5501	A	C	1C
IC6001	A	C	4B
IC6002	A	C	4B
IC6101	A	C	4B
COIL			
L1001	B	C	3C
L1002	B	C	3B
L1101	A	C	2B
L1401	B	C	2A
L1402	B	C	3B
L3001	B	C	5D
L3002	B	C	4B
L3003	B	C	4B
L3004	B	C	5B
L3005	B	C	5B
L3006	B	C	4C
L3007	B	C	5C
L3008	B	C	5C
L3009	B	C	5D
L3010	A	C	3C
L3011	A	C	2C
L3012	B	C	5B
L3013	B	C	5D
L3501	A	C	4D
L3502	A	C	4C
L3503	A	C	3C
L3504	A	C	3C
L3505	A	C	3D
L3701	A	C	5C
L4201	A	C	2C
L4301	B	C	3B
L4302	B	C	2C
L4303	B	C	2C
L4304	B	C	2B
L4305	B	C	2B
L4306	B	C	2C
L4307	B	C	3C
L5501	A	C	1C
L5502	A	C	1C
L5503	A	C	2C
L5504	A	C	1C
L5505	A	C	2C
L5506	A	C	1C
L6101	B	C	5A
L6102	B	C	5A
L6201	B	C	5B
L6202	B	C	5A
L6203	B	C	4A
L6204	A	C	4D
L6206	B	C	4B
L6207	B	C	4A
L6208	B	C	5A
L6209	B	C	5A
L6210	B	C	4A
L6701	B	C	5B
L7001	A	C	2A
L7002	A	C	3A
TRANSISTOR			
Q1001	B	C	3C
Q1002	B	C	3C
Q1003	B	C	4C
Q1004	B	C	3C
Q1005	B	C	3C
Q1006	B	C	4C
Q1007	B	C	4C
Q1301	A	C	3A
Q1401	B	C	3A
Q1402	B	C	2A
Q1403	B	C	2A
Q1404	B	C	4B
Q3701	B	C	2C
Q3702	A	C	5C
Q4301	B	C	2C
Q4302	B	C	2B
Q4303	B	C	2B
Q6001	A	C	4B
Q6002	A	C	4B
Q6003	A	C	4B
Q6004	A	C	4B
Q6201	A	C	5B
Q6202	A	C	4B
Q6203	A	C	5B
Q6204	B	C	4B
Q6205	B	C	4A
Q6206	B	C	4A
Q6208	B	C	5A
Q6210	B	C	5A
Q6211	B	C	5A
Q6212	B	C	4A
Q6213	B	C	4A
Q6214	B	C	4A
Q6215	B	C	4A
Q6216	B	C	4A
Q6701	A	C	5B
Q7001	A	C	3A
RESISTOR			
R1001	B	C	4B
R1002	B	C	4C
R1003	B	C	3C
R1004	B	C	4D
R1005	B	C	4D
R1006	B	C	3C
R1007	B	C	4C
R1009	B	C	3C
R1010	B	C	4C
R1011	B	C	3C
R1012	B	C	4C
R1013	B	C	4C
R1015	B	C	4C
R1017	B	C	3D
R1018	B	C	3D
R1019	B	C	4C
R1020	B	C	4C
R1021	B	C	4C
R1022	B	C	3D
R1023	B	C	3C
R1024	B	C	3B
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R1026	B	C	3C
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R1028	B	C	3B
R1029	B	C	4C
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R1035	B	C	3C
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R1039	B	C	4B
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R1042	B	C	4C
R1043	B	C	4C
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R1045	B	C	4D
R1046	B	C	4D
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R1048	B	C	4D
R1049	B	C	4D
R1050	B	C	4D
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R1066	B	C	3D
R1067	B	C	4C
R1068	B	C	4C
R1069	B	C	4C
R1070	B	C	4C
R1071	B	C	4C
R1072	B	C	3C
R1073	B	C	4C
R1074	B	C	4C
R1075	B	C	4C
R1080	B	C	3D
R1101	A	C	3B
R1102	A	C	3B
R1104	A	C	3B
R1106	A	C	3B
R1107	A	C	3B
R1108	A	C	3B
R1109	A	C	3B
R1302	A	C	3A
R1305	A	C	4A
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R1307	A	C	3A
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R1402	B	C	3A
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R3002	B	C	5C
R3004	B	C	5C
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R3008	B	C	5C
R3009	B	C	5D
R3010	B	C	5D
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R3013	B	C	5B
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R3017	B	C	5B
R3018	B	C	5B
R3019	B	C	5B
R3020	B	C	5B
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R3022	A	C	3C
R3023	A	C	2C
R3024	A	C	3D
R3026	B	C	4B
R3027	B	C	5C
R3028	B	C	5C
R3029	B	C	5C
R3030	B	C	5C
R3031	B	C	5C
R3032	B	C	5C
R3033	B	C	5C
R3034	A	C	2B
R3035	B	C	5C
R3036	B	C	5B
R3041	B	C	5B
R3042	B	C	5B
R3043	B	C	5B
R3044	B	C	5B
R3046	B	C	5B
R3047	B	C	5B
R3049	B	C	5C
R3050	B	C	5C
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R3053	B	C	5B
R3054	B	C	5B
R3055	B	C	5B
R3056	B	C	5C
R3057	B	C	5C
R3058	B	C	5C
R3501	A	C	3C
R3502	A	C	3C
R3503	A	C	3C
R3504	A	C	3C
R3505	A	C	3C
R3506	A	C	3C
R3507	A	C	3C
R3508	A	C	4C

REF.NO.	LOCATION		
R3509	A	C	3C
R3510	A	C	4C
R3521	A	C	3C
R3522	A	C	4C
R3701	B	C	2C
R3702	B	C	2C
R3703	B	C	2C
R3706	B	C	2C
R3707	B	C	2C
R3708	B	C	2C
R3712	A	C	5C
R3713	A	C	5C
R3714	A	C	5C
R3715	A	C	5C
R3716	A	C	5C
R3717	A	C	5C
R3718	A	C	5C
R3719	A	C	5C
R3723	B	C	4D
R3724	B	C	2C
R3725	A	C	2D
R3726	A	C	2D
R4201	A	C	2B
R4202	A	C	2B
R4203	A	C	1B
R4204	A	C	2B
R4205	A	C	1C
R4206	A	C	2C
R4207	A	C	2C
R4208	A	C	2C
R4301	B	C	2C
R4303	B	C	3C
R4304	B	C	3C
R4305	B	C	3C
R4306	B	C	3C
R4307	B	C	2C
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R4310	B	C	2C
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R4313	B	C	2C
R4314	B	C	2C
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R4324	B	C	2C
R4325	B	C	2B
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R4349	B	C	2C
R4350	B	C	2C
R4351	B	C	2C
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R5504	A	C	1C
R5505	A	C	1C
R5506	A	C	1C
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R5510	A	C	1C
R5511	A	C	1C
R5512	A	C	1C
R5513	A	C	1C
R5514	A	C	1C
R5515	A	C	1C
R5516	A	C	1C
R6001	A	C	4B

REF.NO.	LOCATION		
R6002	A	C	4B
R6003	A	C	4B
R6004	A	C	4B
R6005	A	C	4B
R6008	A	C	4B
R6009	A	C	4B
R6010	A	C	4B
R6011	A	C	4B
R6012	A	C	4B
R6013	A	C	4B
R6014	B	C	3B
R6015	A	C	4C
R6016	A	C	4C
R6101	A	C	5B
R6102	A	C	5B
R6103	A	C	5C
R6106	A	C	5B
R6107	A	C	5B
R6108	A	C	5C
R6109	A	C	5B
R6110	A	C	5B
R6112	A	C	5B
R6113	A	C	5B
R6114	A	C	4B
R6115	A	C	4B
R6116	A	C	5B
R6117	A	C	4B
R6118	A	C	4B
R6123	A	C	4C
R6124	A	C	4B
R6201	A	C	5B
R6202	A	C	5B
R6203	A	C	5B
R6204	A	C	4B
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R6206	A	C	4B
R6207	A	C	4B
R6208	A	C	5B
R6209	A	C	5B
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R6211	A	C	5B
R6212	A	C	5B
R6213	B	C	4A
R6214	B	C	4A
R6215	B	C	4A
R6216	B	C	4A
R6219	A	C	5B
R6220	A	C	5B
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R6223	A	C	5B
R6224	A	C	4B
R6225	A	C	5B
R6226	A	C	5B
R6227	A	C	5B
R6228	A	C	5B
R6229	A	C	5B
R6230	A	C	5B
R6231	B	C	5A
R6232	B	C	5A
R6233	B	C	4A
R6234	B	C	4A
R6235	B	C	4A
R6236	B	C	4A
R6237	B	C	4A
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R6239	B	C	4A
R6240	B	C	4A
R6241	B	C	4A
R6242	B	C	4A
R6243	B	C	4A
R6247	A	C	5B
R6249	A	C	5B
R6251	B	C	4B
R6253	B	C	5A
R6255	B	C	5A
R6257	B	C	5A
R6701	A	C	5B
R6702	A	C	5B
R6703	A	C	5B
R6712	B	C	5B
R6713	B	C	5B
R7001	A	C	3A
R7002	A	C	3A
R7003	A	C	3A
R7004	A	C	3A
RA1001	B	C	4D
RA1002	B	C	4D
RA1003	B	C	4D
RA1004	B	C	4D
RA1005	B	C	4B
RA1006	B	C	4B
RA1007	B	C	3C
RA1008	B	C	4B
RA1009	B	C	4B

REF.NO.	LOCATION		
RA1010	A	C	5C
RA1401	B	C	3A
RA1402	B	C	3A
RA1403	B	C	3A
RA3001	B	C	4C
RA4301	B	C	2B
RA4302	B	C	2B
RA4303	B	C	2B

TESTPOINT

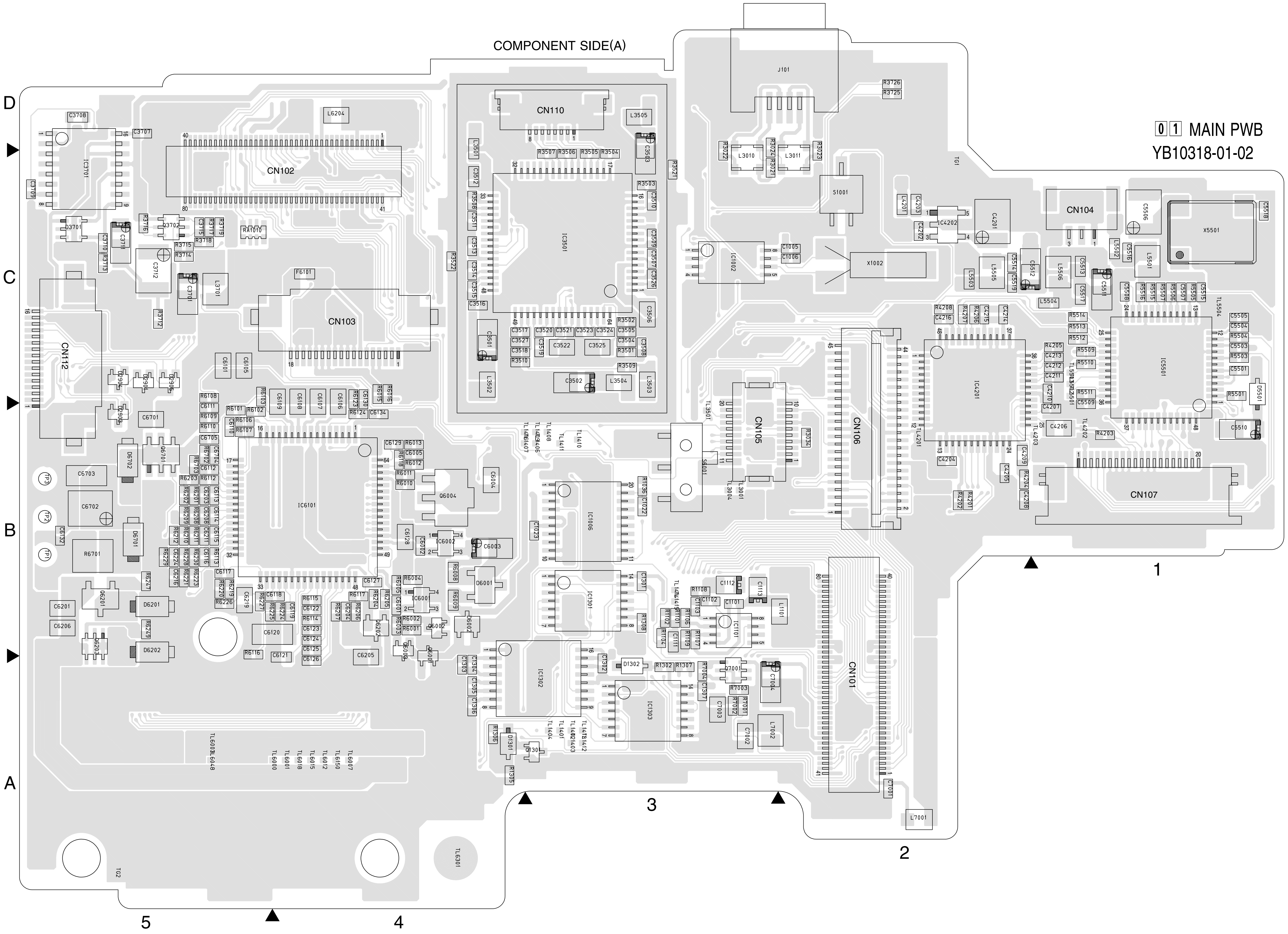
TP1	A	D	5B
TP2	A	D	5B
TP3	A	D	5B

OTHER

F6101	A	C	4C
J101	A	C	2D
PC06	A	C	5D
S1001	A	C	2C
S6001	A	C	3B
TL1001	B	C	3C
TL1002	B	C	3C
TL1003	B	C	3C
TL1004	B	C	3C
TL1005	B	C	3C
TL1006	B	C	3C
TL1401	A	C	3A
TL1402	A	C	3A
TL1403	A	C	3A
TL1404	A	C	3A
TL1406	A	C	3B
TL1407	A	C	4B
TL1408	A	C	3B
TL1409	A	C	3B
TL1410	A	C	3B
TL1411	A	C	3B
TL1412	A	C	3A
TL1413	A	C	3A
TL1414	A	C	3B
TL1415	A	C	3B
TL1416	A	C	4B
TL3001	A	C	3B
TL3002	B	C	5C
TL3004	A	C	3B
TL3005	B	C	5C
TL3501	A	C	3B
TL4201	A	C	2B
TL4202	A	C	1B
TL4203	A	C	1B
TL4301	B	C	2C
TL4302	B	C	3C
TL4303	B	C	3C
TL4304	B	C	2B
TL4305	B	C	3C
TL4306	B	C	3C
TL4307	B	C	3C
TL4308	B	C	3C
TL4309	B	C	3C
TL4310	B	C	3C
TL4311	B	C	3C
TL4312	B	C	2C
TL4313	B	C	3C
TL4314	B	C	2B
TL4315	B	C	3C
TL4316	B	C	3C
TL4317	B	C	3C
TL4318	B	C	3C
TL4405	B	C	2C
TL5501	A	C	1C
TL5502	A	C	1C
TL5503	A	C	1C
TL5504	A	C	1C
TL6000	A	C	5A
TL6001	A	C	4A
TL6003	A	C	5A
TL6007	A	C	4A
TL6012	A	C	4A
TL6015	A	C	4A
TL6018	A	C	4A
TL6048	A	C	5A
TL6150	A	C	4A
TL6301	A	D	4A
TM1	A	C	1A
TM2	A	C	5D
X1001	B	C	4C
X1002	A	C	2C
X3002	B	C	5D
X5501	A	C	1C

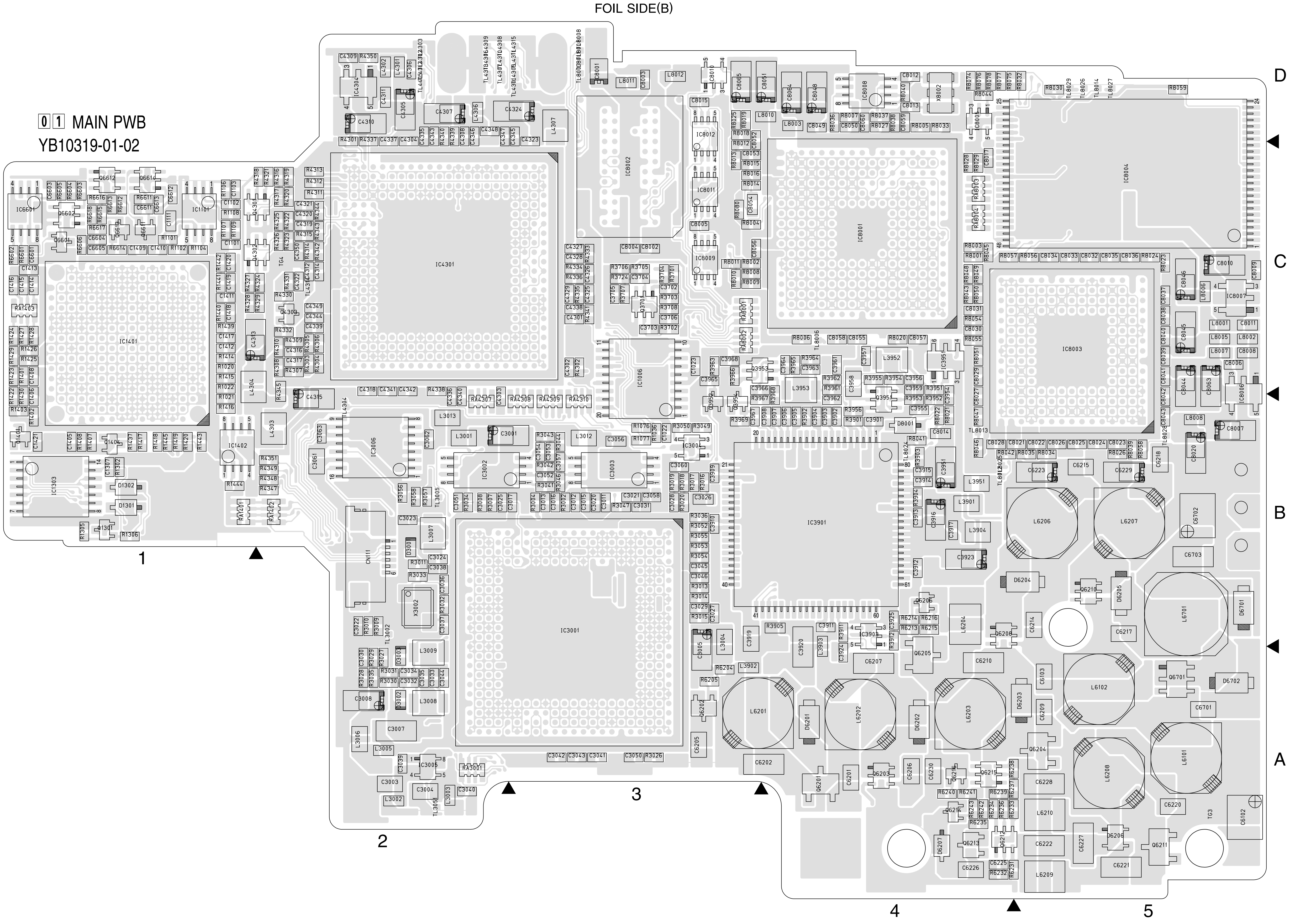
COMPONENT SIDE(A)

01 MAIN PWB
YB10318-01-02



D
C
B
A
5
4
3
2
1
J101
CN102
CN103
CN110
CN112
CN104
CN105
CN106
CN107
CN101
IC3701
IC3501
IC6101
IC1002
IC1006
IC1301
IC1302
IC1303
IC1101
IC4201
IC4202
IC5501
IC6001
IC6002
X5501
X1002
S1001
S6001
L3010
L3011
L6204
L7001
L7002
F6101
RA1010
D6201
D6202
D6001
D6701
D6702
D1302
Q6004
Q7001
C6703
C6702
R6701
C6701
C6201
C6206
C6120
C6205
C3712
C3502
C3522
C3525
C7003
C7002
TP1
TP2
TP3
TG1
TG2
TL6301

4.37 MAIN CIRCUIT BOARD [GR-DVX77EG/EK, DVX88EG]


FOIL SIDE(B)
01 MAIN PWB
YB10319-01-02
D
C
B
A
1
2
3
4
5
IC1401
IC4301
IC8002
IC8001
IC8004
IC8003
IC1006
IC3006
IC3002
IC3003
IC3901
IC3001
IC1303
IC1402
IC6601
IC1101
CN111
X3002
X8002
L6201
L6202
L6203
L6206
L6207
L6208
L6101
L6102
L6701

COMPONENT PARTS LOCATION GUIDE ＜MAIN＞ [GR-DVX77EG/EK, DVX88EG]

REF.NO.	LOCATION		
CAPACITOR			
C1001	A	C	4A
C1002	A	C	4A
C1003	A	C	4A
C1004	A	C	4A
C1005	A	C	4B
C1006	A	C	4B
C1007	A	C	3B
C1008	A	C	3B
C1009	A	C	2B
C1010	A	C	2B
C1011	A	C	2B
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C1016	A	C	3C
C1017	A	C	3C
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C1020	A	C	2B
C1021	A	C	2B
C1022	B	C	3B
C1023	B	C	3C
C1024	A	C	3A
C1025	A	C	3A
C1026	A	C	3A
C1027	A	C	4D
C1028	A	C	4C
C1029	A	C	4C
C1030	A	C	4D
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C8126	A	C	4C
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C8402	A	C	5C
C8403	A	C	5C
C8404	A	C	5C
C8405	A	C	5C
C8408	A	C	5C
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CONNECTOR			
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CN102	A	C	4D
CN103	A	C	4C
CN104	A	C	1C
CN105	A	C	2B
CN106	A	C	2B
CN107	A	C	1B
CN109	A	C	1C
CN110	A	C	3D
CN111	B	C	2B
CN112	A	C	5B
DIODE			
D1001	A	C	4A
D1301	B	C	1B
D1302	B	C	1B
D2901	A	C	5C
D2902	A	C	5B
D2903	A	C	5C
D2904	A	C	5B
D2905	A	C	5C
D3001	B	C	2B
D3002	B	C	2A
D3003	B	C	2A
D3701	A	C	5C
D5501	A	C	1C
D6001	A	C	5A
D6002	A	C	4A
D6201	B	C	4A
D6202	B	C	4A
D6203	B	C	5A
D6204	B	C	5B
D6205	B	C	5B
D6206	B	C	5A
D6207	B	C	4A
D6701	B	C	5B
D6702	B	C	5A
D8001	B	C	4B
D8401	A	C	5C
IC			
IC1001	A	C	3B
IC1002	A	C	4B
IC1003	A	C	3B
IC1004	A	C	2B
IC1005	A	C	2B
IC1006	B	C	3C
IC1007	A	C	2A
IC1008	A	C	3B
IC1009	A	C	3A
IC1101	B	C	1C
IC1303	B	C	1B
IC1401	B	C	1C
IC1402	B	C	1B
IC1403	A	C	2C
IC1404	A	C	4D
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IC3002	B	C	2B
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IC3004	B	C	3B
IC3005	B	C	2A
IC3006	B	C	2B
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IC3702	A	C	5C
IC3703	A	C	5C
IC3901	B	C	4B
IC3902	B	C	4B
IC3903	B	C	4B
IC3951	B	C	4C
IC4201	A	C	2B
IC4202	A	C	2C
IC4301	B	C	2C
IC4302	A	C	2C
IC4303	A	C	3C
IC4304	B	C	2D
IC5501	A	C	1C
IC6001	A	C	5A
IC6002	A	C	5A
IC6101	A	C	5B
IC6601	B	C	1C
IC8001	B	C	4C
IC8002	B	C	3C
IC8003	B	C	5C
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IC8101	A	C	4B
IC8102	A	C	4C
IC8103	A	C	4B
IC8401	A	C	5C
IC8402	A	C	5C
COIL			
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L1002	A	C	4A
L1101	A	C	1C
L1401	A	C	1C
L1402	A	C	2C
L3001	B	C	2B
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L3013	B	C	2B
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L8006	B	C	5C
L8007	B	C	5C
L8008	B	C	5B
L8010	B	C	4D
L8011	B	C	3D
L8012	B	C	3D
L8101	A	C	4C
L8102	A	C	4C
L8401	A	C	5C
L8402	A	C	5C
TRANSISTOR			
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Q1002	A	C	4A
Q1003	A	C	4A
Q1004	A	C	4D
Q1005	A	C	4D
Q1006	A	C	4C
Q1007	A	C	4C
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Q1401	B	C	1B
Q1402	A	C	5D
Q1403	A	C	5D
Q1404	B	C	1B
Q3701	B	C	3C
Q3702	A	C	5C
Q3703	A	C	4C
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Q3953	B	C	3C
Q3954	B	C	3B
Q4301	B	C	2C
Q4302	B	C	2C
Q4303	B	C	2C

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Q6205	B	C	4A
Q6206	B	C	4B
Q6208	B	C	4B
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Q6211	B	C	5A
Q6212	B	C	4A
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Q6615	A	C	1C
Q6701	B	C	5A
Q7001	A	C	2A
Q8401	A	C	5C
RESISTOR			
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R1002	A	C	3A
R1003	A	C	3B
R1004	A	C	3C
R1005	A	C	3C
R1006	A	C	3B
R1007	A	C	3A
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R1010	A	C	4C
R1011	A	C	3B
R1012	A	C	3B
R1013	A	C	3B
R1015	A	C	3B
R1017	A	C	3B
R1018	A	C	3B
R1019	A	C	3B
R1020	B	C	1C
R1021	B	C	1B
R1022	B	C	1C
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TP3	A	D	5B
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J101	A	C	2D
PC06	A	C	5D
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TL1001	A	C	4A
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TL8107	A	C	4A
TL8108	A	C	4A
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TM2	A	C	5D
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X1002	A	C	4B
X3002	B	C	2B
X5501	A	C	1C
X8002	B	C	4D
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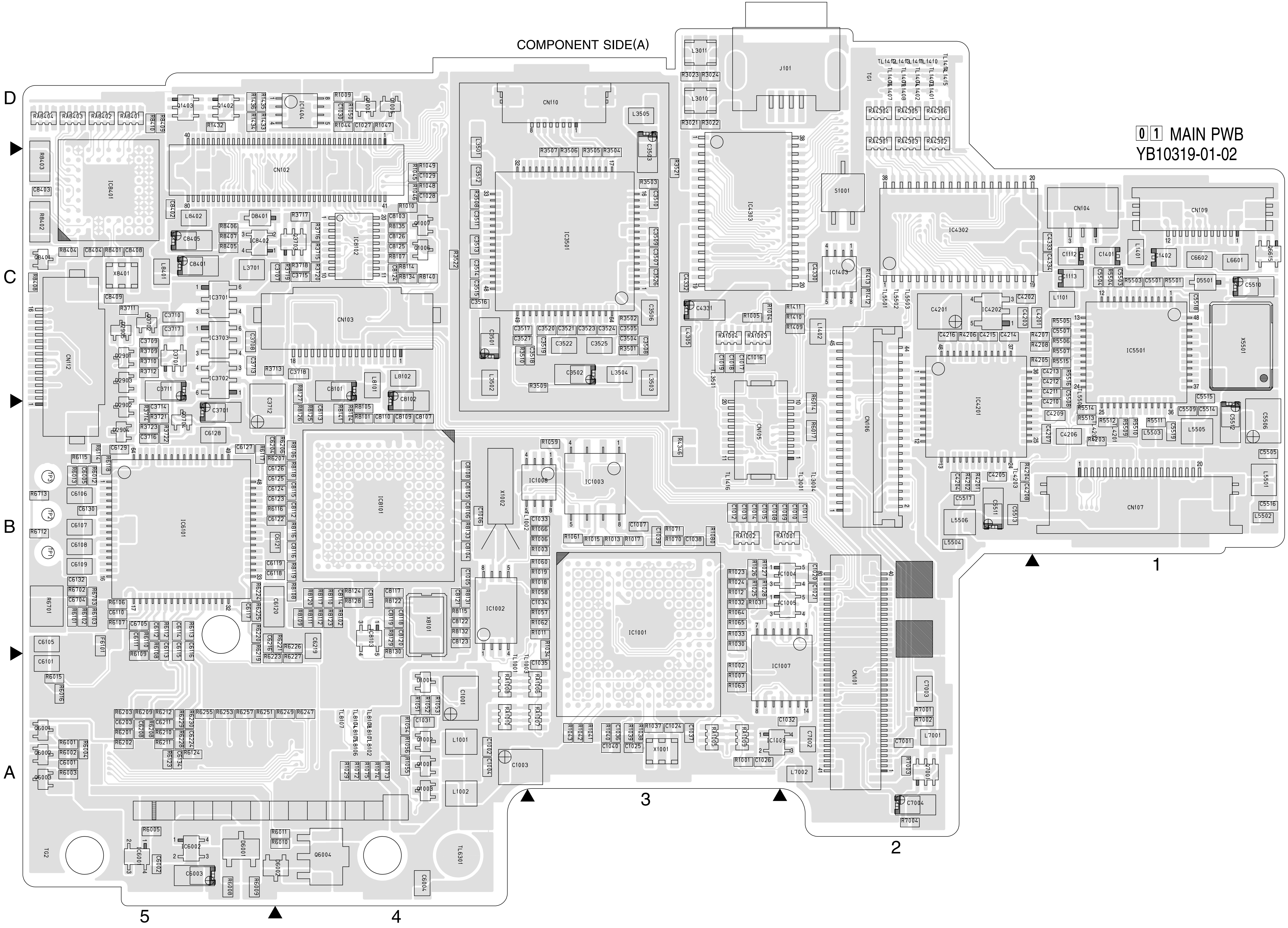
01 MAIN PWB
YB10319-01-02

COMPONENT SIDE(A)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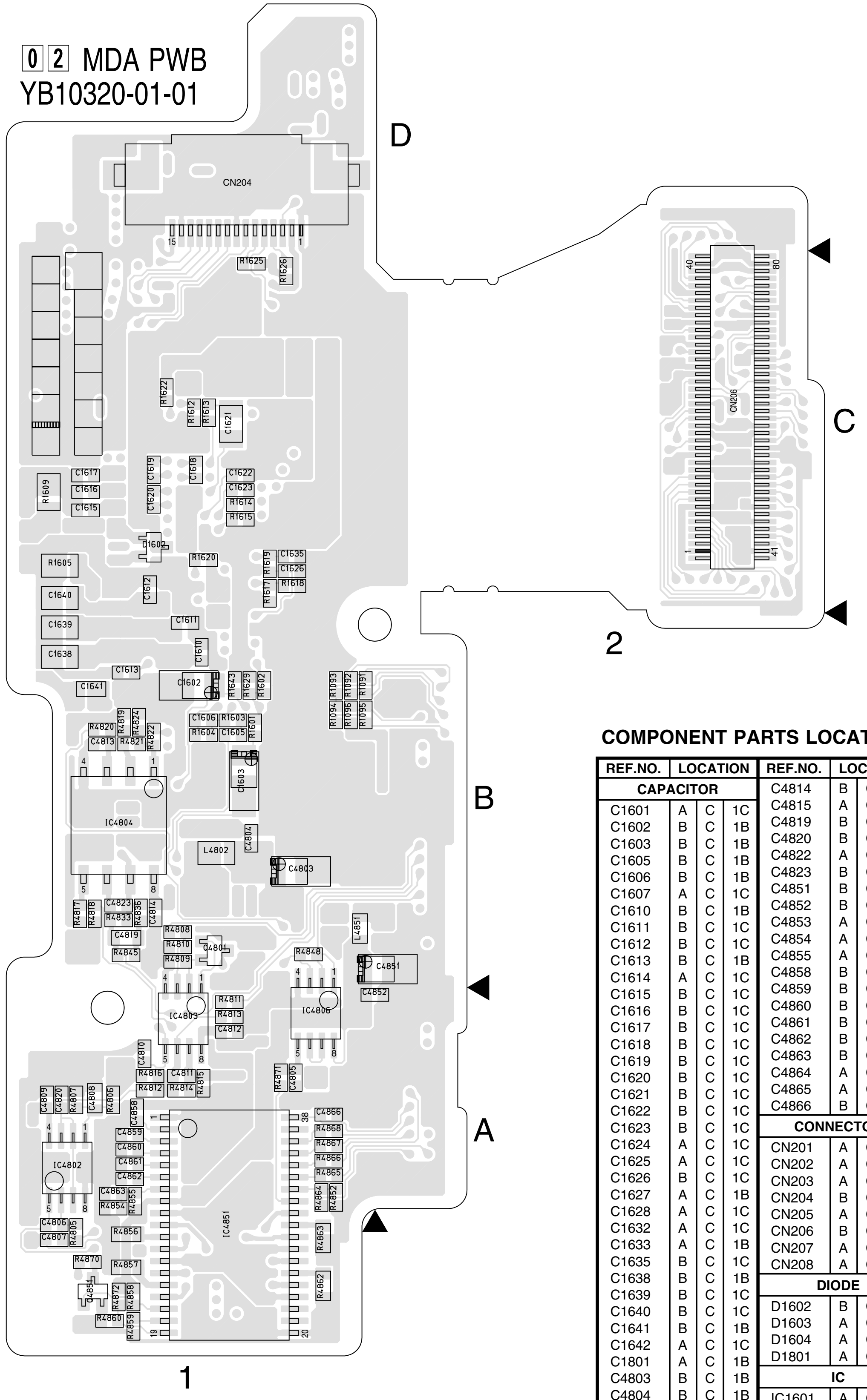
X8401

4.38 MDA CIRCUIT BOARD

FOIL SIDE(B)



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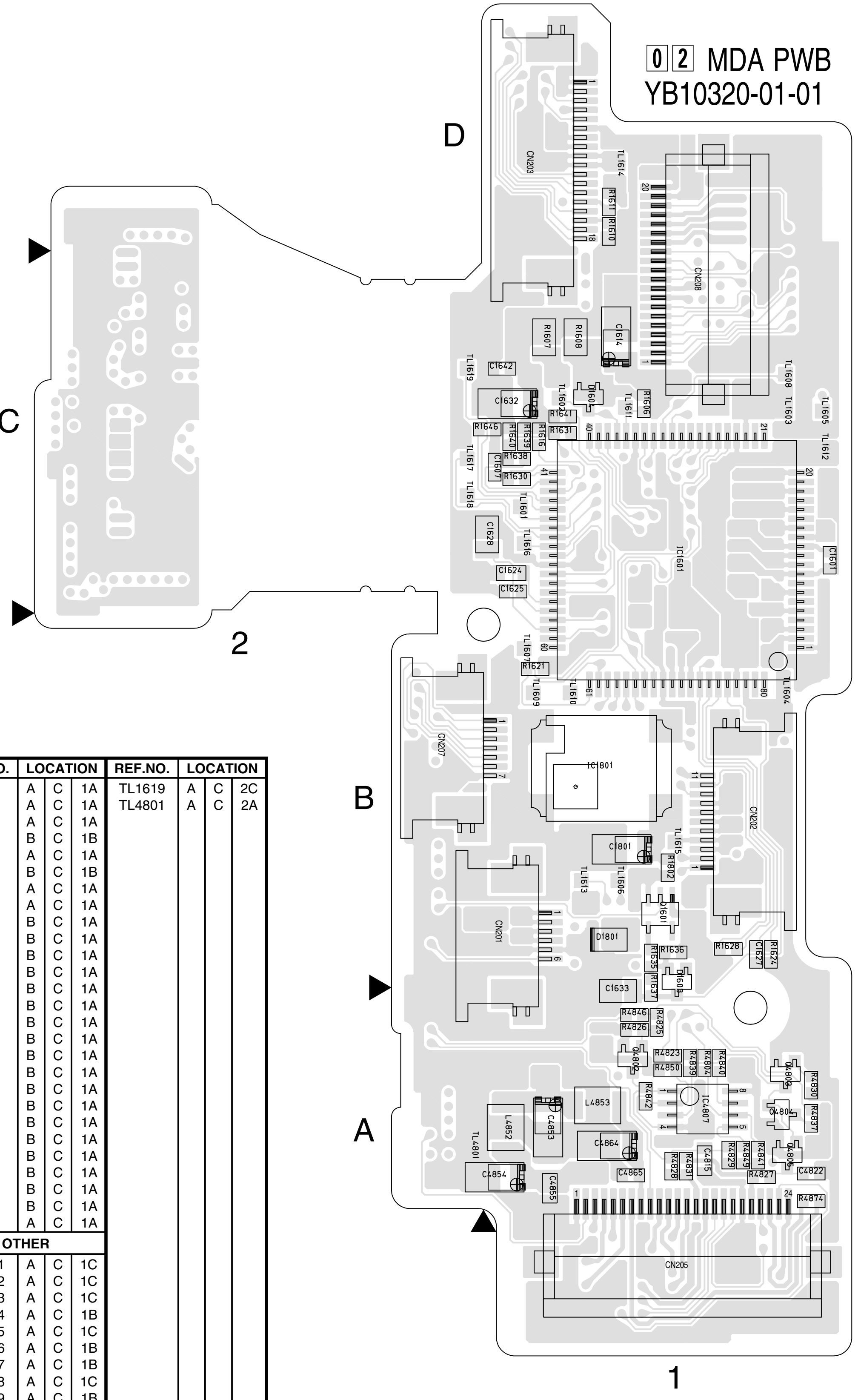

COMPONENT PARTS LOCATION GUIDE <MDA>

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C1603	B	C	1B
C1605	B	C	1B
C1606	B	C	1B
C1607	A	C	1C
C1610	B	C	1B
C1611	B	C	1C
C1612	B	C	1C
C1613	B	C	1B
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C1619	B	C	1C
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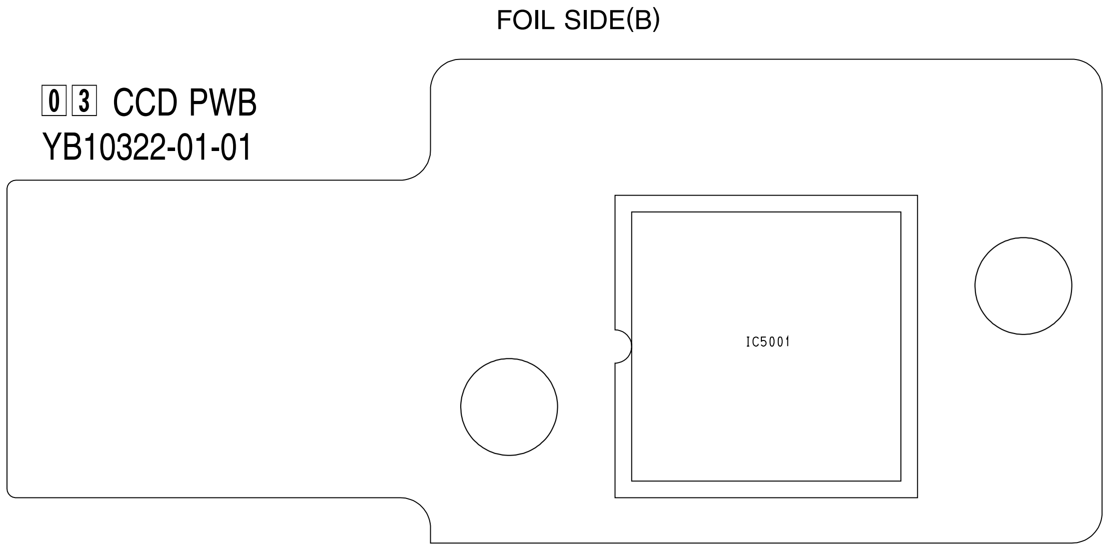
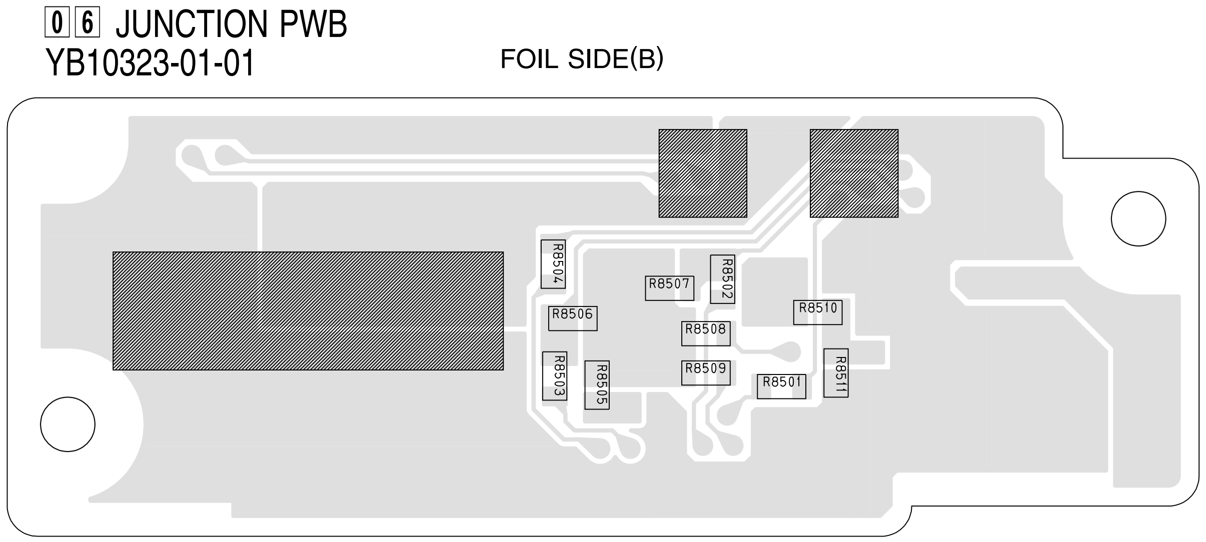
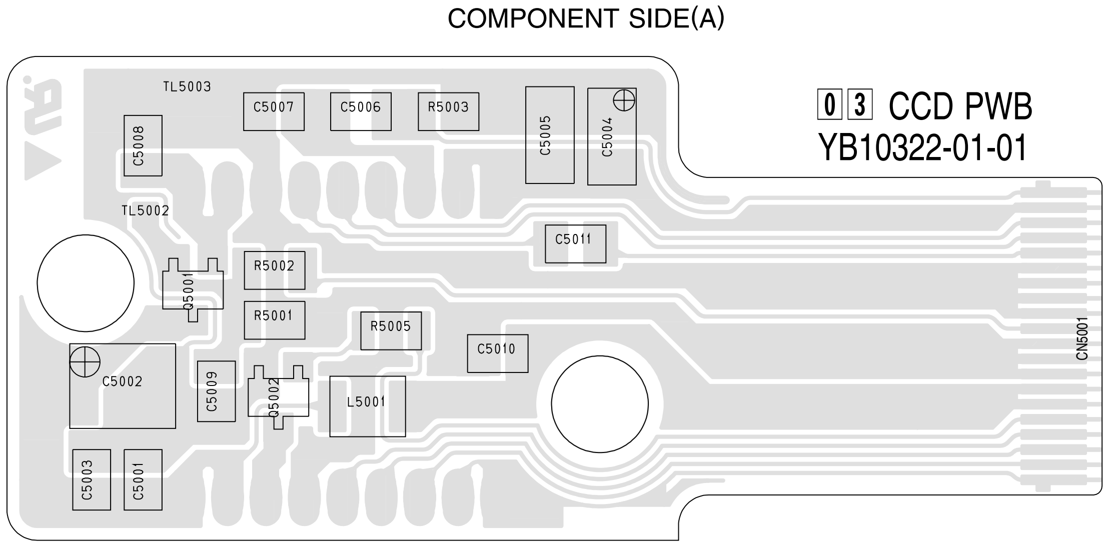
C1622	B	C	1C
C1623	B	C	1C
C1624	A	C	1C
C1625	A	C	1C
C1626	B	C	1C
C1627	A	C	1B
C1628	A	C	1C
C1632	A	C	1C
C1633	A	C	1B
C1635	B	C	1C
C1638	B	C	1B
C1639	B	C	1C
C1640	B	C	1C
C1641	B	C	1B
C1642	A	C	1C
C1801	A	C	1B
C4803	B	C	1B
C4804	B	C	1B
C4805	B	C	1A
C4806	B	C	1A
C4807	B	C	1A
C4808	B	C	1A
C4809	B	C	1A
C4810	B	C	1A
C4811	B	C	1A
C4812	B	C	1A
C4813	B	C	1B
C4814	B	C	1B
C4815	A	C	1A
C4819	B	C	1B
C4820	B	C	1A
C4822	A	C	1A
C4823	B	C	1B
C4851	B	C	2B
C4852	B	C	2B
C4853	A	C	1A
C4854	A	C	1A
C4855	A	C	1A
C4858	B	C	1A
C4859	B	C	1A
C4860	B	C	1A
C4861	B	C	1A
C4862	B	C	1A
C4863	B	C	1A
C4864	A	C	1A
C4865	A	C	1A
C4866	B	C	1A
CONNECTOR			
CN201	A	C	1B
CN202	A	C	1B
CN203	A	C	1D
CN204	B	C	1D
CN205	A	C	1A
CN206	B	C	2C
CN207	A	C	2B
CN208	A	C	1C
DIODE			
D1602	B	C	1C
D1603	A	C	1B
D1604	A	C	1C
D1801	A	C	1B
IC			
IC1601	A	C	1C
IC1801	A	C	1B
IC4802	B	C	1A
IC4803	B	C	1A
IC4804	B	C	1B
IC4806	B	C	1A
IC4807	A	C	1A
IC4851	B	C	1A
COIL			
L4802	B	C	1B
L4851	B	C	1B
L4852	A	C	1A
L4853	A	C	1A
TRANSISTOR			
Q1601	A	C	1B
Q4801	B	C	1B
Q4802	A	C	1A
Q4803	A	C	1A
Q4804	A	C	1A
Q4805	A	C	1A
Q4851	B	C	1A
RESISTOR			
R1091	B	C	1B
R1092	B	C	1B
R1093	B	C	1B
R1094	B	C	1B
R1095	B	C	1B
R1096	B	C	1B
R1601	B	C	1B
R1602	B	C	1B
R1603	B	C	1B
R1604	B	C	1B
R1605	B	C	1C
R1606	A	C	1C
R1607	A	C	1C
R1608	A	C	1C
R1609	B	C	1C
R1610	A	C	1D
R1611	A	C	1D
R1612	B	C	1C
R1613	B	C	1C
R1614	B	C	1C
R1615	B	C	1C
R1616	A	C	1C
R1617	B	C	1C
R1618	B	C	1C
R1619	B	C	1C
R1620	B	C	1C
R1621	A	C	1B
R1622	B	C	1C
R1624	A	C	1B
R1625	B	C	1D
R1626	B	C	1C
R1628	A	C	1B
R1629	B	C	1B
R1630	A	C	1C
R1631	A	C	1C
R1635	A	C	1B
R1636	A	C	1B
R1637	A	C	1B
R1638	A	C	1C
R1639	A	C	1C
R1640	A	C	1C
R1641	A	C	1C
R1643	B	C	1B
R1646	A	C	1C
R1802	A	C	1B
R4804	A	C	1A
R4805	B	C	1A
R4806	B	C	1A
R4807	B	C	1A
R4808	B	C	1B
R4809	B	C	1B
R4810	B	C	1B
R4811	B	C	1B
R4812	B	C	1A
R4813	B	C	1A
R4814	B	C	1A
R4815	B	C	1A
R4816	B	C	1A
R4817	B	C	1B
R4818	B	C	1B
R4819	B	C	1B
R4820	B	C	1B
R4821	B	C	1B
R4822	B	C	1B
R4823	A	C	1A
R4824	B	C	1B
R4825	A	C	1A
R4826	A	C	1A
R4827	A	C	1A
R4828	A	C	1A
R4829	A	C	1A
R4830	A	C	1A
R4831	A	C	1A
R4833	B	C	1B
R4836	B	C	1B
R4837	A	C	1A
R4839	A	C	1A
R4840	A	C	1A
R4841	A	C	1A
R4842	A	C	1A
R4845	B	C	1B
R4846	A	C	1A
R4848	B	C	1B
R4849	A	C	1A
R4850	A	C	1A
R4852	B	C	1A
R4854	B	C	1A
R4855	B	C	1A
R4856	B	C	1A
R4857	B	C	1A
R4858	B	C	1A
R4859	B	C	1A
R4860	B	C	1A
R4862	B	C	1A
R4863	B	C	1A
R4864	B	C	1A
R4865	B	C	1A
R4866	B	C	1A
R4867	B	C	1A
R4868	B	C	1A
R4870	B	C	1A
R4871	B	C	1A
R4872	B	C	1A
R4874	A	C	1A
OTHER			
TL1601	A	C	1C
TL1602	A	C	1C
TL1603	A	C	1C
TL1604	A	C	1B
TL1605	A	C	1C
TL1606	A	C	1B
TL1607	A	C	1B
TL1608	A	C	1C
TL1609	A	C	1B
TL1610	A	C	1B
TL1611	A	C	1C
TL1612	A	C	1C
TL1613	A	C	1B
TL1614	A	C	1D
TL1615	A	C	1B
TL1616	A	C	1C
TL1617	A	C	2C
TL1618	A	C	2C
TL1619	A	C	2C
TL4801	A	C	2A

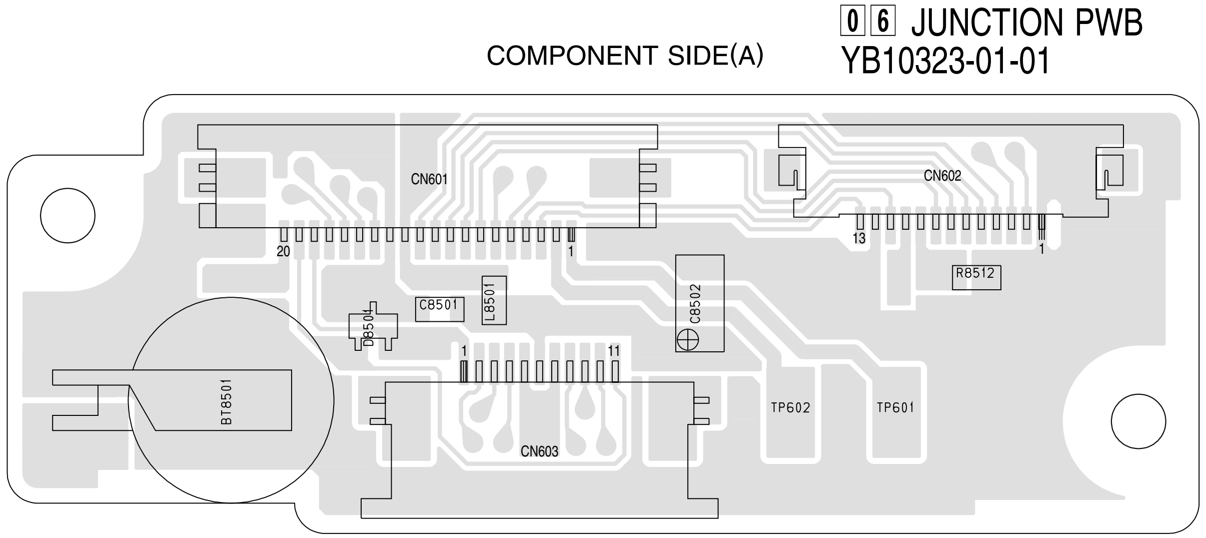
—CCD—


FOIL SIDE(B)
03 CCD PWB
YB10322-01-01
IC5001

—JUNCTION—

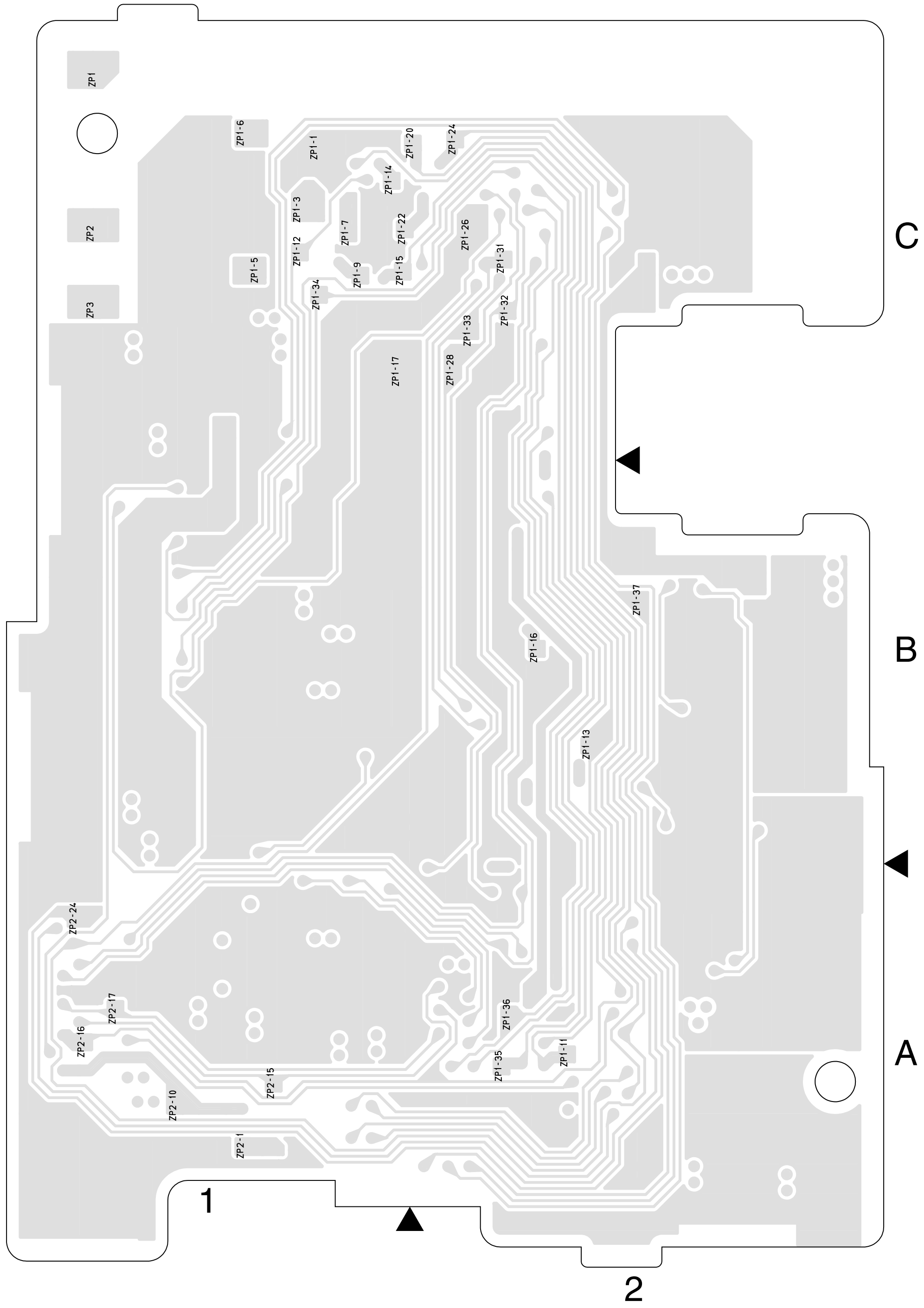

06 JUNCTION PWB
YB10323-01-01
FOIL SIDE(B)
R8504
R8507
R8502
R8506
R8508
R8510
R8503
R8505
R8509
R8501
R8511


COMPONENT SIDE(A)
03 CCD PWB
YB10322-01-01
TL5003
C5007
C5006
R5003
C5005
C5004
C5008
TL5002
C5011
R5002
Q5001
R5001
R5005
C5010
C5002
C5009
Q5002
L5001
CN5001
C5003
C5001

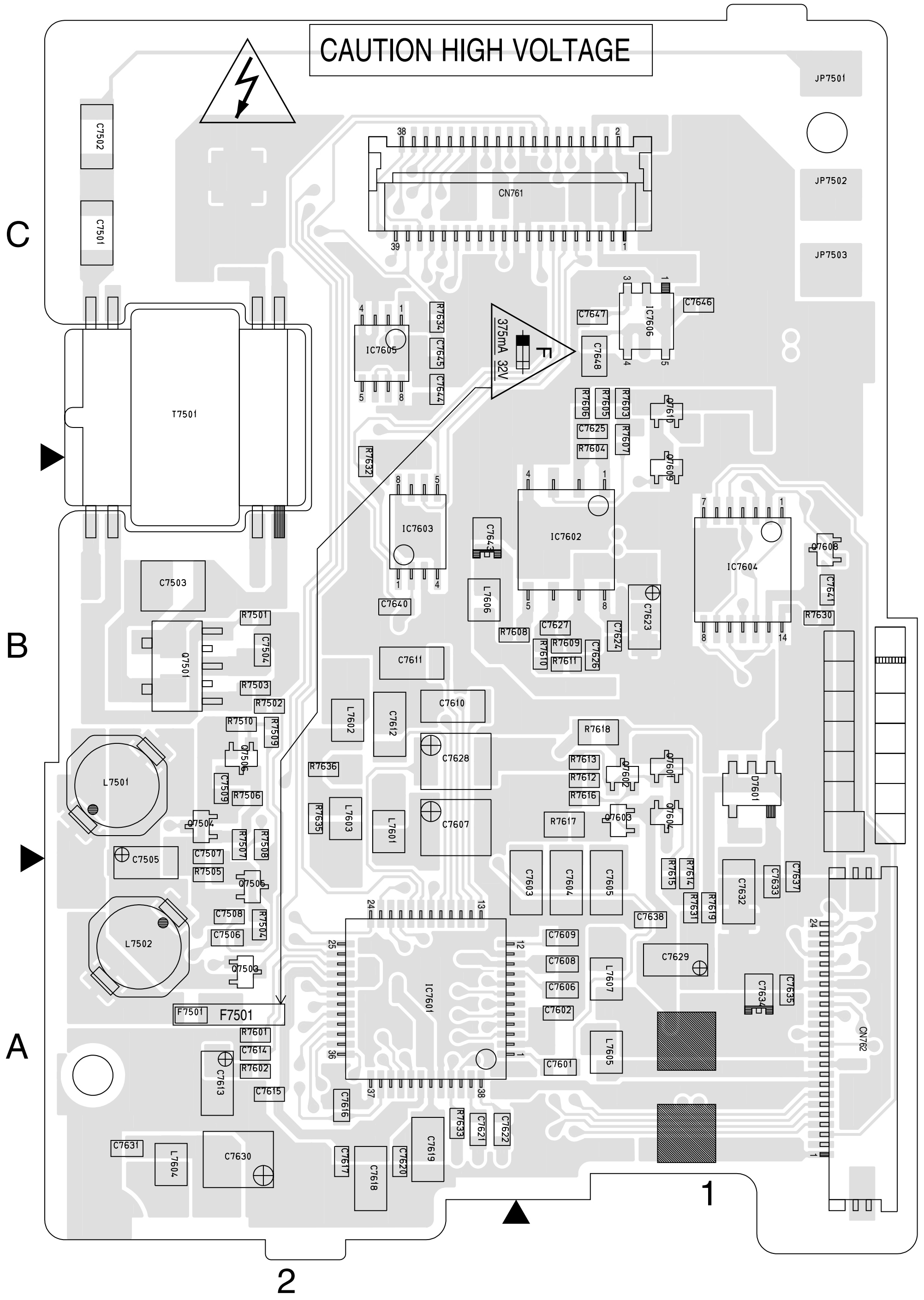

06 JUNCTION PWB
YB10323-01-01
COMPONENT SIDE(A)
CN601
20
1
CN602
13
1
R8512
C8501
L8501
D8501
C8502
1
11
BT8501
TP602
TP601
CN603

4.40 MONITOR CIRCUIT BOARD

04 MONITOR PWB
YB10321-01-01 FOIL SIDE(B)


ZP1
ZP2
ZP3
ZP1-1
ZP1-3
ZP1-5
ZP1-6
ZP1-7
ZP1-9
ZP1-11
ZP1-12
ZP1-13
ZP1-14
ZP1-15
ZP1-16
ZP1-17
ZP1-20
ZP1-22
ZP1-24
ZP1-26
ZP1-28
ZP1-31
ZP1-32
ZP1-33
ZP1-34
ZP1-35
ZP1-36
ZP1-37
ZP2-1
ZP2-10
ZP2-15
ZP2-16
ZP2-17
ZP2-24
C
B
A
1
2

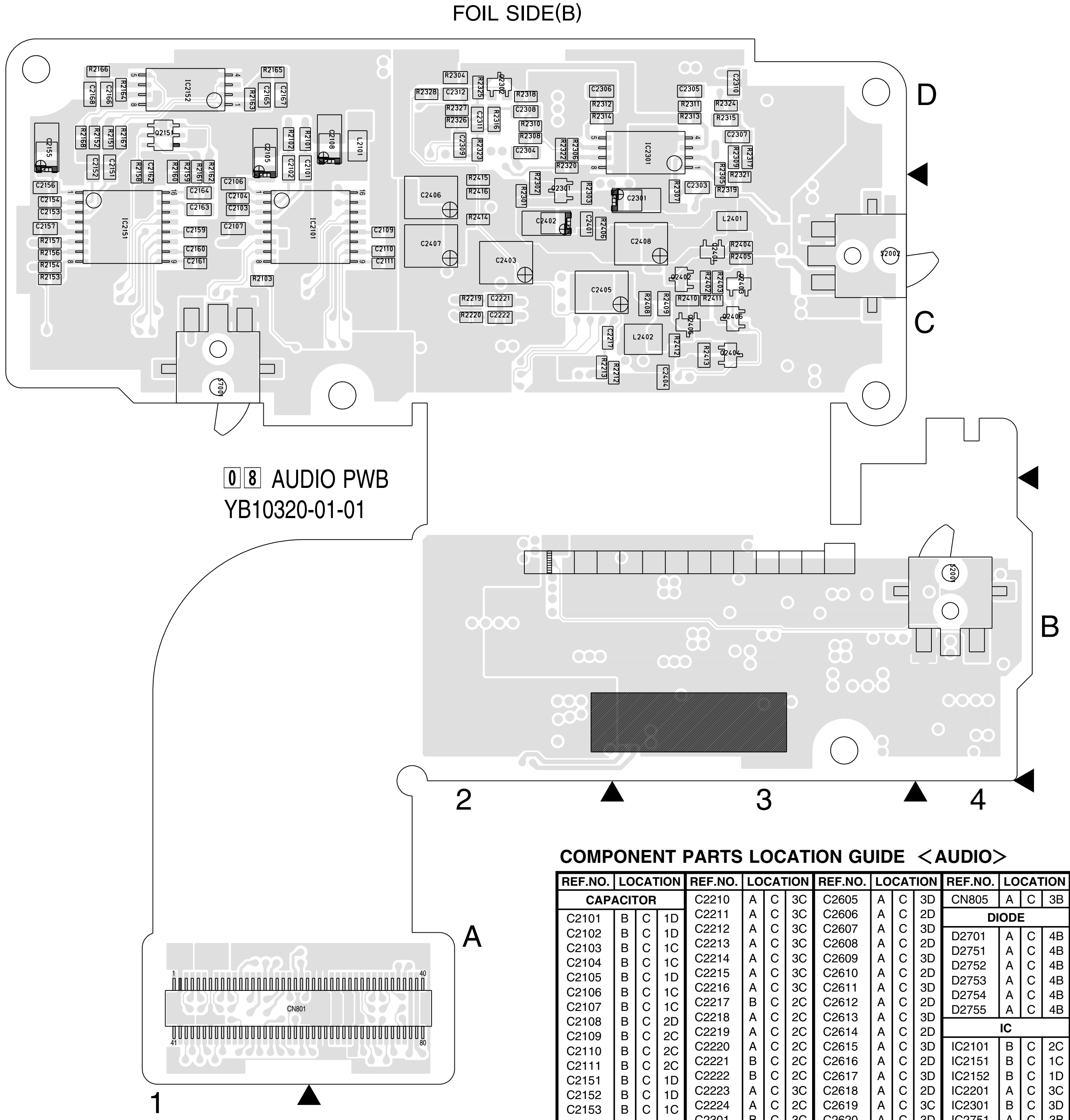
COMPONENT SIDE(A) 04 MONITOR PWB
YB10321-01-01

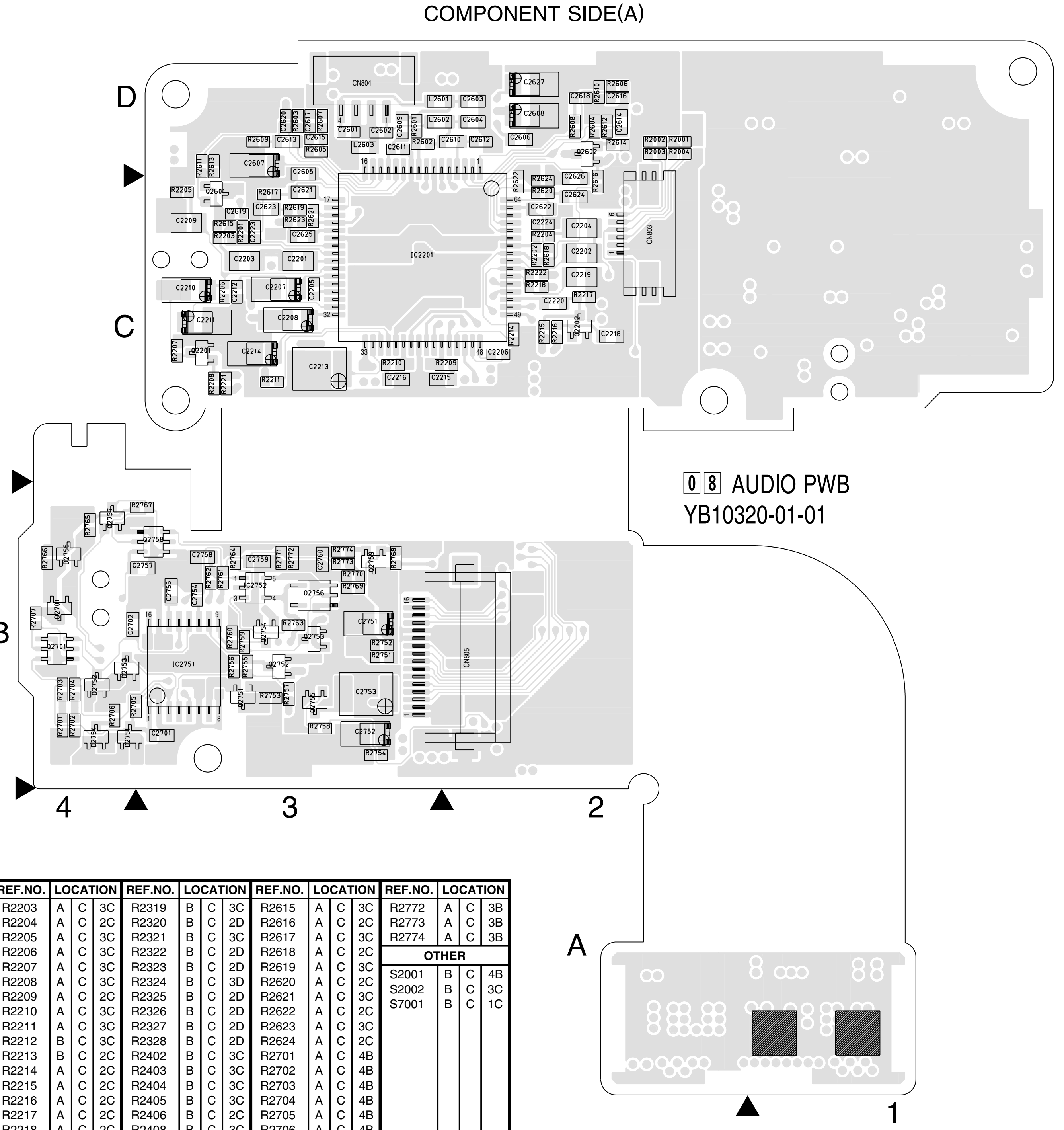

CAUTION HIGH VOLTAGE
JP7501
JP7502
JP7503
C7502
C7501
CN761
T7501
IC7605
IC7606
C7646
C7647
C7648
375mA 32V
F
IC7603
IC7602
IC7604
C7503
Q7501
C7640
C7611
C7610
C7628
C7607
L7501
L7502
C7505
C7507
R7505
F7501
IC7601
C7629
D7601
CN762
C7630
C7631
L7604
C7613
C7618
C7619
C7620
L7605
L7607
C
B
A
1
2

COMPONENT PARTS LOCATION GUIDE <MONITOR>

REF.NO.	LOCATION		
CAPACITOR			
C7501	A	C	2C
C7502	A	C	2C
C7503	A	C	2B
C7504	A	C	2B
C7505	A	C	2A
C7506	A	C	2A
C7507	A	C	2B
C7508	A	C	2A
C7509	A	C	2B
C7601	A	C	1A
C7602	A	C	1A
C7603	A	C	1A
C7604	A	C	1A
C7605	A	C	1A
C7606	A	C	1A
C7607	A	C	2B
C7608	A	C	1A
C7609	A	C	1A
C7610	A	C	2B
C7611	A	C	2B
C7612	A	C	2B
C7613	A	C	2A
C7614	A	C	2A
C7615	A	C	2A
C7616	A	C	2A
C7617	A	C	2A
C7618	A	C	2A
C7619	A	C	2A
C7620	A	C	2A
C7621	A	C	2A
C7622	A	C	2A
C7623	A	C	1B
C7624	A	C	1B
C7625	A	C	1C
C7626	A	C	1B
C7627	A	C	1B
C7628	A	C	2B
C7629	A	C	1A
C7630	A	C	2A
C7631	A	C	2A
C7632	A	C	1A
C7633	A	C	1A
C7634	A	C	1A
C7635	A	C	1A
C7637	A	C	1A
C7638	A	C	1A
C7640	A	C	2B
C7641	A	C	1B
C7643	A	C	2B
C7644	A	C	2C
C7645	A	C	2C
C7646	A	C	1C
C7647	A	C	1C
C7648	A	C	1C
CONNECTOR			
CN761	A	C	1C
CN762	A	C	1A
DIODE			
D7601	A	C	1B
IC			
IC7601	A	C	2A
IC7602	A	C	1B
IC7603	A	C	2B
IC7604	A	C	1B
IC7605	A	C	2C
IC7606	A	C	1C
COIL			
L7501	A	C	2B
L7502	A	C	2A
L7601	A	C	2B
L7602	A	C	2B
L7603	A	C	2B
L7604	A	C	2A
L7605	A	C	1A
L7606	A	C	2B
L7607	A	C	1A
TRANSISTOR			
Q7501	A	C	2B
Q7503	A	C	2A
Q7504	A	C	2B
Q7505	A	C	2A
Q7506	A	C	2B
Q7601	A	C	1B
Q7602	A	C	1B
Q7603	A	C	1B
Q7604	A	C	1B
Q7608	A	C	1B
Q7609	A	C	1B
Q7610	A	C	1C
RESISTOR			
R7501	A	C	2B
R7502	A	C	2B
R7503	A	C	2B
R7504	A	C	2A
R7505	A	C	2A
R7506	A	C	2B
R7507	A	C	2B
R7508	A	C	2B
R7509	A	C	2B
R7510	A	C	2B
R7601	A	C	2A
R7602	A	C	2A
R7603	A	C	1C
R7604	A	C	1C
R7605	A	C	1C
R7606	A	C	1C
R7607	A	C	1C
R7608	A	C	2B
R7609	A	C	1B
R7610	A	C	1B
R7611	A	C	1B
R7612	A	C	1B
R7613	A	C	1B
R7614	A	C	1A
R7615	A	C	1A
R7616	A	C	1B
R7617	A	C	1B
R7618	A	C	1B
R7619	A	C	1A
R7630	A	C	1B
R7631	A	C	1A
R7632	A	C	2B
R7633	A	C	2A
R7634	A	C	2C
R7635	A	C	2B
R7636	A	C	2B
OTHER			
F7501	A	C	2A
JP7501	A	C	1C
JP7502	A	C	1C
JP7503	A	C	1C
PC013	A	C	1A
T7501	A	C	2C
ZP1	B	C	1C
ZP2	B	C	1C
ZP3	B	C	1C
ZP1-1	B	C	1C
ZP1-3	B	C	1C
ZP1-5	B	C	1C
ZP1-6	B	C	1C
ZP1-7	B	C	1C
ZP1-9	B	C	1C
ZP2-1	B	C	1A
ZP1-11	B	C	2A
ZP1-12	B	C	1C
ZP1-13	B	C	2B
ZP1-14	B	C	1C
ZP1-15	B	C	1C
ZP1-16	B	C	2B
ZP1-17	B	C	1C
ZP1-20	B	C	2C
ZP1-22	B	C	1C
ZP1-24	B	C	2C
ZP1-26	B	C	2C
ZP1-28	B	C	2C
ZP1-31	B	C	2C
ZP1-32	B	C	2C
ZP1-33	B	C	2C
ZP1-34	B	C	1C
ZP1-35	B	C	2A
ZP1-36	B	C	2A
ZP1-37	B	C	2B
ZP2-10	B	C	1A
ZP2-15	B	C	1A
ZP2-16	B	C	1A
ZP2-17	B	C	1A
ZP2-24	B	C	1A

4.41 AUDIO CIRCUIT BOARD





COMPONENT PARTS LOCATION GUIDE ＜AUDIO＞

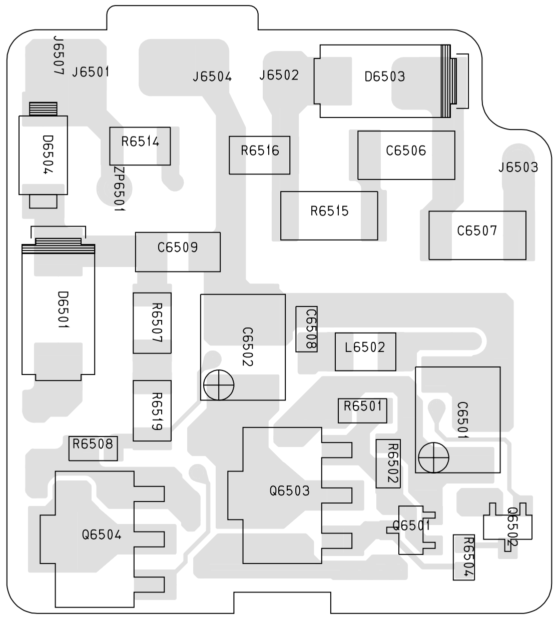
REF.NO.	LOCATION		
CAPACITOR			
C2101	B	C	1D
C2102	B	C	1D
C2103	B	C	1C
C2104	B	C	1C
C2105	B	C	1D
C2106	B	C	1C
C2107	B	C	1C
C2108	B	C	2D
C2109	B	C	2C
C2110	B	C	2C
C2111	B	C	2C
C2151	B	C	1D
C2152	B	C	1D
C2153	B	C	1C
C2154	B	C	1C
C2155	B	C	1D
C2156	B	C	1C
C2157	B	C	1C
C2159	B	C	1C
C2160	B	C	1C
C2161	B	C	1C
C2162	B	C	1D
C2163	B	C	1C
C2164	B	C	1C
C2165	B	C	1D
C2166	B	C	1D
C2167	B	C	1D
C2168	B	C	1D
C2201	A	C	3C
C2202	A	C	2C
C2203	A	C	3C
C2204	A	C	2C
C2205	A	C	3C
C2206	A	C	2C
C2207	A	C	3C
C2208	A	C	3C
C2209	A	C	3C
C2210	A	C	3C
C2211	A	C	3C
C2212	A	C	3C
C2213	A	C	3C
C2214	A	C	3C
C2215	A	C	3C
C2216	A	C	3C
C2217	B	C	2C
C2218	A	C	2C
C2219	A	C	2C
C2220	A	C	2C
C2221	B	C	2C
C2222	B	C	2C
C2223	A	C	3C
C2224	A	C	2C
C2301	B	C	3C
C2303	B	C	3C
C2304	B	C	2D
C2305	B	C	3D
C2306	B	C	2D
C2307	B	C	3D
C2308	B	C	2D
C2309	B	C	2D
C2310	B	C	3D
C2311	B	C	2D
C2312	B	C	2D
C2401	B	C	2C
C2402	B	C	2C
C2403	B	C	2C
C2404	B	C	3C
C2405	B	C	2C
C2406	B	C	2C
C2407	B	C	2C
C2408	B	C	3C
C2601	A	C	3D
C2602	A	C	3D
C2603	A	C	2D
C2604	A	C	2D
C2605	A	C	3D
C2606	A	C	2D
C2607	A	C	3D
C2608	A	C	2D
C2609	A	C	3D
C2610	A	C	2D
C2611	A	C	3D
C2612	A	C	2D
C2613	A	C	3D
C2614	A	C	2D
C2615	A	C	3D
C2616	A	C	2D
C2617	A	C	3D
C2618	A	C	2D
C2619	A	C	3C
C2620	A	C	3D
C2621	A	C	3C
C2622	A	C	2C
C2623	A	C	3C
C2624	A	C	2C
C2625	A	C	3C
C2626	A	C	2C
C2627	A	C	2D
C2701	A	C	3B
C2702	A	C	4B
C2751	A	C	3B
C2752	A	C	3B
C2753	A	C	3B
C2754	A	C	3B
C2755	A	C	3B
C2757	A	C	3B
C2758	A	C	3B
C2759	A	C	3B
C2760	A	C	3B
CONNECTOR			
CN801	B	C	1A
CN803	A	C	2C
CN804	A	C	3D
CN805	A	C	3B
DIODE			
D2701	A	C	4B
D2751	A	C	4B
D2752	A	C	4B
D2753	A	C	4B
D2754	A	C	4B
D2755	A	C	4B
IC			
IC2101	B	C	2C
IC2151	B	C	1C
IC2152	B	C	1D
IC2201	A	C	3C
IC2301	B	C	3D
IC2751	A	C	3B
IC2752	A	C	3B
COIL			
L2101	B	C	2D
L2401	B	C	3C
L2402	B	C	3C
L2601	A	C	3D
L2602	A	C	3D
L2603	A	C	3D
TRANSISTOR			
Q2151	B	C	1D
Q2201	A	C	3C
Q2202	A	C	2C
Q2301	B	C	2C
Q2302	B	C	2D
Q2401	B	C	3C
Q2402	B	C	3C
Q2403	B	C	3C
Q2404	B	C	3C
Q2405	B	C	3C
Q2406	B	C	3C
Q2601	A	C	3C
Q2602	A	C	2D
Q2701	A	C	4B
Q2751	A	C	3B
Q2752	A	C	3B
Q2753	A	C	3B
Q2754	A	C	3B
Q2755	A	C	3B
Q2756	A	C	3B
Q2757	A	C	4B
Q2758	A	C	3B
Q2759	A	C	3B
RESISTOR			
R2001	A	C	2D
R2002	A	C	2D
R2003	A	C	2D
R2004	A	C	2D
R2101	B	C	1D
R2102	B	C	1D
R2103	B	C	1C
R2151	B	C	1D
R2152	B	C	1D
R2153	B	C	1C
R2154	B	C	1C
R2156	B	C	1C
R2157	B	C	1C
R2158	B	C	1D
R2159	B	C	1D
R2160	B	C	1D
R2161	B	C	1D
R2162	B	C	1D
R2163	B	C	1D
R2164	B	C	1D
R2165	B	C	1D
R2166	B	C	1D
R2167	B	C	1D
R2168	B	C	1D
R2201	A	C	3C
R2202	A	C	2C
R2203	A	C	3C
R2204	A	C	2C
R2205	A	C	3C
R2206	A	C	3C
R2207	A	C	3C
R2208	A	C	3C
R2209	A	C	2C
R2210	A	C	3C
R2211	A	C	3C
R2212	B	C	3C
R2213	B	C	2C
R2214	A	C	2C
R2215	A	C	2C
R2216	A	C	2C
R2217	A	C	2C
R2218	A	C	2C
R2219	B	C	2C
R2220	B	C	2C
R2221	A	C	3C
R2222	A	C	2C
R2301	B	C	2C
R2302	B	C	2C
R2303	B	C	2C
R2304	B	C	2D
R2305	B	C	3D
R2306	B	C	2D
R2307	B	C	3C
R2308	B	C	2D
R2309	B	C	3D
R2310	B	C	2D
R2311	B	C	3D
R2312	B	C	2D
R2313	B	C	3D
R2314	B	C	2D
R2315	B	C	3D
R2316	B	C	2D
R2317	B	C	3D
R2318	B	C	2D
R2319	B	C	3C
R2320	B	C	2D
R2321	B	C	3C
R2322	B	C	2D
R2323	B	C	2D
R2324	B	C	3D
R2325	B	C	2D
R2326	B	C	2D
R2327	B	C	2D
R2328	B	C	2D
R2402	B	C	3C
R2403	B	C	3C
R2404	B	C	3C
R2405	B	C	3C
R2406	B	C	2C
R2408	B	C	3C
R2409	B	C	3C
R2410	B	C	3C
R2411	B	C	3C
R2412	B	C	3C
R2413	B	C	3C
R2414	B	C	2C
R2415	B	C	2C
R2416	B	C	2C
R2601	A	C	3D
R2602	A	C	3D
R2603	A	C	3D
R2604	A	C	2D
R2605	A	C	3D
R2606	A	C	2D
R2607	A	C	3D
R2608	A	C	2D
R2609	A	C	3D
R2610	A	C	2D
R2611	A	C	3D
R2612	A	C	2D
R2613	A	C	3D
R2614	A	C	2D
R2615	A	C	3C
R2616	A	C	2C
R2617	A	C	3C
R2618	A	C	2C
R2619	A	C	3C
R2620	A	C	2C
R2621	A	C	3C
R2622	A	C	2C
R2623	A	C	3C
R2624	A	C	2C
R2701	A	C	4B
R2702	A	C	4B
R2703	A	C	4B
R2704	A	C	4B
R2705	A	C	4B
R2706	A	C	4B
R2707	A	C	4B
R2751	A	C	3B
R2752	A	C	3B
R2753	A	C	3B
R2754	A	C	3B
R2755	A	C	3B
R2756	A	C	3B
R2757	A	C	3B
R2758	A	C	3B
R2759	A	C	3B
R2760	A	C	3B
R2761	A	C	3B
R2762	A	C	3B
R2763	A	C	3B
R2764	A	C	3B
R2765	A	C	4B
R2766	A	C	4B
R2767	A	C	3B
R2768	A	C	3B
R2769	A	C	3B
R2770	A	C	3B
R2771	A	C	3B
R2772	A	C	3B
R2773	A	C	3B
R2774	A	C	3B
OTHER			
S2001	B	C	4B
S2002	B	C	3C
S7001	B	C	1C

4.42 STROBE, W/B AND JACK CIRCUIT BOARDS

−STROBE− [GR-DVX77EG/EK, DVX88EG]

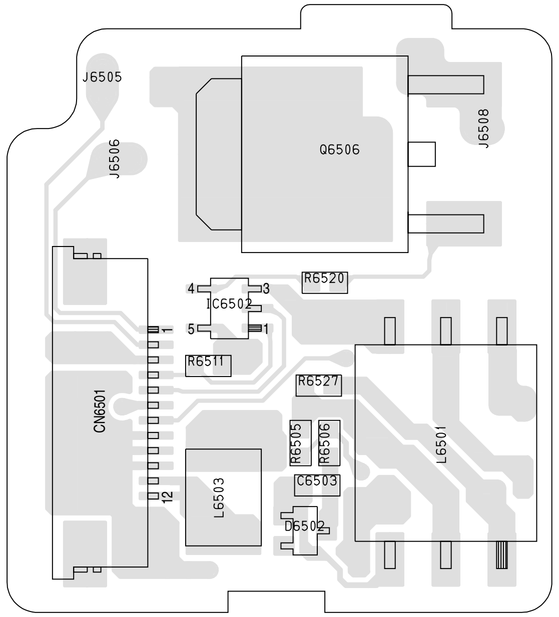
FOIL SIDE(B)

07 STROBE PWB
YB10249-01-01


J6507
J6501
J6504
J6502
D6503
D6504
R6514
R6516
C6506
J6503
ZP6501
R6515
C6507
C6509
D6501
R6507
C6502
C6508
L6502
R6519
R6501
C6501
R6508
R6502
Q6503
Q6504
Q6501
Q6502
R6504

COMPONENT SIDE(A)

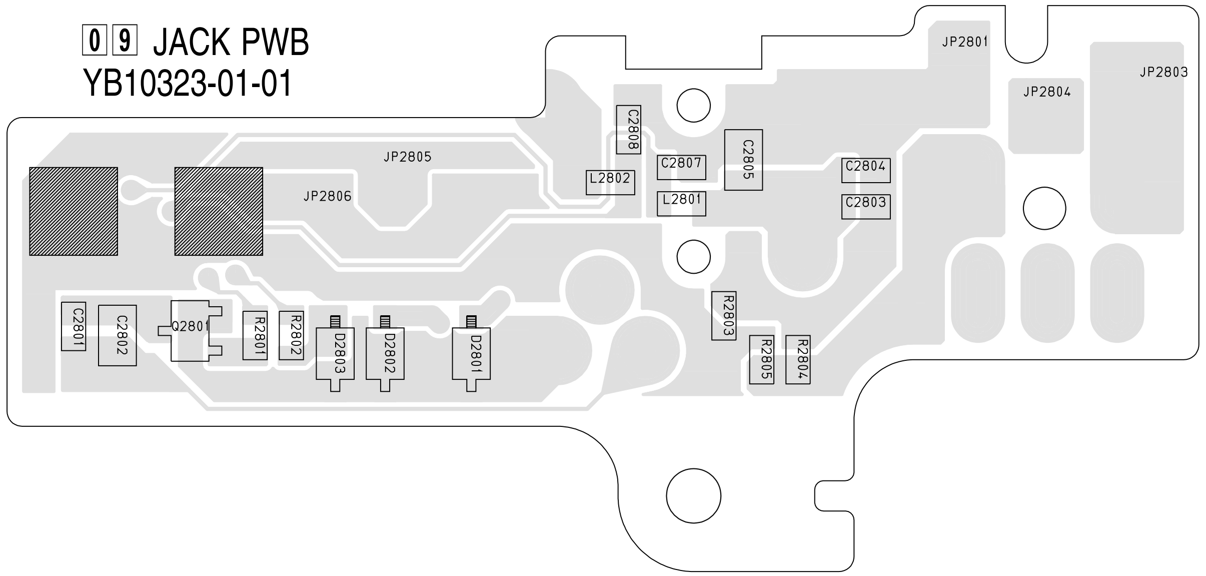
07 STROBE PWB
YB10249-01-01


J6505
J6508
Q6506
J6506
R6520
IC6502
4
3
5
1
R6511
R6527
CN6501
1
12
L6501
R6505
R6506
L6503
C6503
D6502

−JACK−

FOIL SIDE(B)

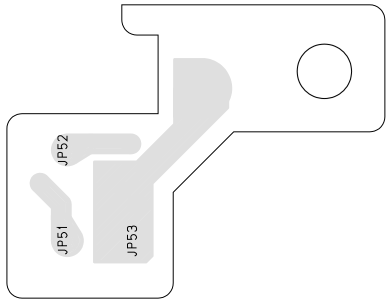
09 JACK PWB
YB10323-01-01


JP2801
JP2804
JP2803
C2808
JP2805
L2802
C2807
C2805
C2804
L2801
C2803
JP2806
C2801
C2802
Q2801
R2801
R2802
D2803
D2802
D2801
R2803
R2805
R2804

−W/B−

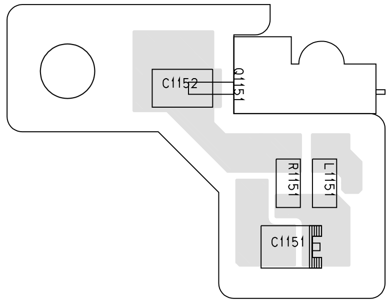
FOIL SIDE(B)

11 W/B PWB
YB10320-01-01


JP52
JP51
JP53

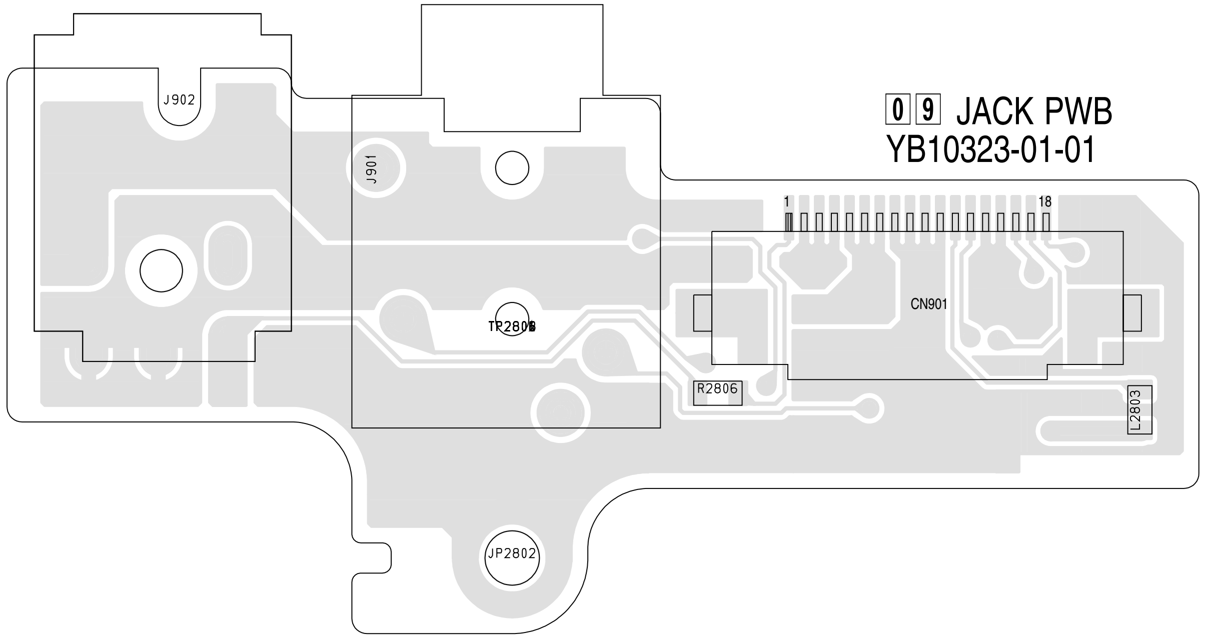
COMPONENT SIDE(A)

11 W/B PWB
YB10320-01-01


C1152
Q1151
R1151
L1151
C1151

COMPONENT SIDE(A)

09 JACK PWB
YB10323-01-01


J902
J901
1
18
CN901
TP2806
R2806
C2806
JP2802

4.43 VOLTAGE CHARTS

<SYSCON>

MODE PIN NO.	REC	PLAY
IC1001	-	-
IC1002		
1	0	0
2	3.0	3.1
3	1.0	1.8
4	0	0
5	0	3.0
6	0.5	0.5
7	0.5	0
8	3.0	3.1
IC1003		
1	3.1	3.1
2	0.7	0
3	3.0	0
4	0	0
5	0.6	0.6
6	3.0	0
7	3.0	2.9
8	3.0	3.0
IC1004		
1	1.4	1.4
2	0	0
3	1.3	1.3
4	-	-
5	-	-
IC1005		
1	0	0
2	3.0	3.0
3	0	0
4	-	-
5	-	-
IC1006		
1	2.8	2.8
2	0	0
3	0	3.1
4	3.1	3.0
5	3.0	3.0
6	3.0	3.0
7	1.4	1.4
8	1.4	1.5
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	2.9	2.9
20	2.8	2.8
IC1007		
1	-	-
2	-	-
3	3.0	3.0
4	3.0	3.0
5	3.0	3.0
6	3.1	3.1
7	0	0
8	3.0	3.1
9	3.0	3.1
10	3.0	3.1
11	0	0
12	0	1.8
13	-	-
14	-	-
IC1009		
1	0	0
2	0	0
3	0	3.0
4	3.1	3.1
Q1001		
E	0	0
C	0	0
B	0	0
Q1002		
E	0	0
C	3.0	3.0
B	0.5	0.5
Q1003		
E	0	0
C	0	0
B	0	0
Q1004	-	-
Q1005	-	-
Q1006		
E	-	0
C	3.0	0
B	-	3.0
Q1007		
E	0	0
C	-	-
B	2.9	0

<W/B>

MODE PIN NO.	REC	PLAY
IC1101		
1	2.4	2.4
2	2.4	2.4
3	2.4	2.4
4	0	0
5	2.4	2.4
6	2.4	2.4
7	0	0
8	4.8	4.8

<PC IF>

MODE PIN NO.	REC	PLAY
IC1301	-	-
IC1302	-	-
IC1303		
1	0	0
2	3.1	3.1
3	0	0
4	0	0
5	0	0
6	3.1	3.1
7	0	0
8	0	0
9	0	0
10	0	3.0
11	0	0
12	0	0
13	3.1	3.1
14	3.1	3.1
Q1301		
E	0	0
C	0	0
B	0	0

<SERVO>

MODE PIN NO.	REC	PLAY
IC1401	-	-
IC1402	-	-
IC1403		
1	3.0	3.0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	3.0	3.0
8	3.0	3.0
IC1404	-	-
Q1401		
E	3.0	0
C	3.0	3.0
B	3.0	3.0
Q1402	-	-
Q1403	-	-
Q1404		
E	0	0
C	0	0
B	3.0	3.0

<DVMAIN>

MODE PIN NO.	REC	PLAY
IC3001	-	-
IC3002		
1	0	0.4
2	0	0.4
3	0	0
4	0.7	1.4
5	0.6	0
6	3.0	0
7	0	0
8	3.0	3.0
IC3003		
1	3.0	3.0
2	1.0	1.0
3	0	0
4	0	0
5	0	0
6	0.9	1.4
7	2.3	2.3
8	3.0	3.0
IC3004		
1	0	3.0
2	0	0
3	0	0
4	0.6	3.0
5	3.0	3.0
IC3006		
1	3.0	3.0
2	0	0
3	0	0
4	0	0
5	3.0	3.0
6	0	0
7	1.3	1.3
8	0	1.6
9	1.4	0
10	0	0
11	0	0
12	3.0	3.0
13	0	0
14	0	0
15	0	0.8
16	0	0

<PRE/REC>

MODE PIN NO.	REC	PLAY
IC3501		
1	0	0
2	1.1	1.1
3	0	0
4	0.9	1.5
5	2.5	2.5
6	2.3	1.5
7	1.4	0
8	0	0
9	1.3	3
10	1.6	1.6
11	3.0	3.0
12	0	0
13	4.8	4.8
14	0	0
15	0	0
16	0	0
17	0	0
18	3.7	1.7
19	3.5	1.7
20	3.5	1.7
21	3.7	1.7
22	0	0
23	3.7	1.7
24	3.5	1.7
25	3.4	1.7
26	3.7	1.7
27	0	1.7
28	1.9	0
29	3.5	2.2
30	3.5	1.7
31	1.9	2.1
32	0	0
33	0	0
34	0	0
35	1.8	1.8
36	0.4	0.4
37	3.0	3.0
38	0	3.0
39	3.0	3.0
40	1.5	1.5
41	0	2.9
42	3.0	0
43	4.8	4.8
44	3.0	0
45	0	0
46	0	2.0
47	0	2.1
48	4.7	3.1
49	4.4	2.8
50	0.5	1.6
51	1.2	1.2
52	0.8	1.6
53	0	0
54	3.1	2.7
55	2.5	1.9
56	1.1	1.1
57	2.5	1.9
58	2.5	1.3
59	0	0
60	1.2	1.2
61	3.4	1.9
62	2.5	1.9
63	2.5	1.3
64	2.5	1.9

<V OUT>

MODE PIN NO.	REC	PLAY
IC3701		
1	2.0	2.0
2	2.0	2.0
3	4.8	4.8
4	1.7	1.7
5	0	0
6	4.8	4.8
IC3702		
1	2.0	1.9
2	2.1	1.9
3	4.8	4.8
4	1.7	1.7
5	0	0
6	3.1	3.0
IC3703		
1	0	0
2	2.2	2.2
3	4.8	4.8
4	1.8	1.8
5	0	0
6	0	1.8
Q3701		
1(E)	1.0	0.9
2(E)	1.1	1.1
3(B)	0.5	0.6
4(C)	0	0
5(B)	0.4	0.5
6(C)	0	0
Q3702		
E	2.7	2.6
C	0	0
B	2.1	2.0
Q3703	-	-

<CAM DSP>

MODE PIN NO.	REC	PLAY
IC4201		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	0	0
14	0	0
15	3.0	3.0
16	1.3	1.2
17	0	2.8
18	0	2.2
19	0	0
20	0	2.5
21	0	0
22	0	0
23	3.0	3.0
24	0	0
25	0	0
26	2.0	2.0
27	1.5	1.3
28	2	0
29	1.9	0
30	0	0
31	3.0	3.0
32	2.0	0.9
33	1.0	0.5
34	1.5	0
35	1.2	0
36	0	0
37	0	0
38	3.8	3.0
39	0	0
40	0	0
41	3.0	3.0
42	0	0
43	3.0	3.0
44	3.0	3.0
45	0.9	1.8
46	3.0	3.0
47	0	0
48	0	0
IC4202		
1	4.8	4.8
2	0	0
3	1.2	1.2
4	3.0	3.0
5	4.8	4.8
IC4301	-	-
IC4302		
1	0	0
2	0	0
3	1.4	1.7
4	0	0.6
5	0	0.7
6	0.5	0.7
7	0	0
8	0	0.6
9	1.1	1.6
10	1.9	2.0
11	1.7	1.1
12	1.5	0
13	1.5	1.1
14	1.6	1.1
15	1.3	1.3
16	0	0
17	2.6	2.6
18	2.8	2.8
19	3.0	3.0
20	0	0
21	3.0	3.0
22	2.6	2.6
23	2.6	2.6
24	0	0
25	1.3	1.3
26	1.7	1.4
27	1.6	1.5
28	1.5	1.5
29	2.4	1.5
30	2.5	1.8
31	0.9	1.6
32	0.6	1.7
33	0.4	1
34	0.9	1.7
35	0.8	1.7
36	0.7	1.4
37	1.6	1.6
38	0	0
IC4303		
1	0	0
2	0	0
3	1.4	1.4
4	1	1.4
5	1	1.4
6	0	1.3
7	0	0.5
8	1.8	1.3
9	1.4	1.3
10	1.7	1.8
11	1.5	1.2
12	0	0
13	1.7	1.1
14	1.7	0
15	1.3	1.3
16	0	0
17	0	0
18	0	0
19	3.0	3.0
20	0	0
21	3.0	3.0
22	0	0
23	0	0
24	0	0
25	0	1.2
26	1.8	1.4
27	1.8	1.5
28	1.8	1.5
29	1.7	1.6
30	1.8	1.8
31	1.7	1.5
32	2.1	1.6
33	1.0	0.9
34	1.5	1.5
35	1.4	1.4
36	1.4	1.6
37	1.7	1.6
38	0	0
Q4301		
1(E)	0.8	0.9
2(E)	0.9	0.9
3(B)	0	0
4(C)	0	0
5(B)	0	0
6(C)	0	0
Q4302		
1(E)	1.1	1.1
2(E)	0.9	0.9
3(B)	0	0
4(C)	0	0
5(B)	0.6	0.6
6(C)	0	0

<TG/V.DRV>

MODE PIN NO.	REC	PLAY
IC5501		
1	-0.6	0
2	2.4	2.4
3	3.0	3.0
4	3.0	3.0
5	0	0
6	2.9	2.9
7	0	0
8	0.5	0.5
9	0	0
10	2.8	2.9
11	1.4	1.4
12	3.0	3.0
13	1.2	0
14	0	1.2
15	3.0	0
16	2.1	2.9
17	0	2.2
18	2.2	2.2
19	0	2.2
20	0	0
21	0	0
22	0	0
23	0	0
24	2.9	3.0
25	0	1.8
26	0	3.1
27	0	0
28	1.3	1.2
29	0	0
30	1.3	0
31	0	0
32	0	0
33	3.0	3.0
34	1.5	1.5
35	1.2	1.2
36	2.9	3.0
37	2.9	2.9
38	3	0
39	0	0
40	0	0
41	-6.3	-6.3
42	0	0
43	12.1	12.1
44	-6.3	-6.3
45	-6.3	-6.3
46	-6.7	-6.7
47	0	0
48	2.9	2.9

<REG>

MODE PIN NO.	REC	PLAY
IC6001		
1	7.7	7.7
2	10.4	10.4
3	0	0
4	0	0
IC6002		
1	0	0
2	11	11
3	3.3	3.3
4	0	0
IC6101		
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	2.1	2.2
20	0.9	0.9
21	0	0
22	2.2	2.2
23	1.0	1.0
24	0.5	0.6
25	1.0	1.0
26	0.6	0.5
27	1.0	1.0
28	0.7	0.7
29	1.0	1.0
30	0	0
31	0	0
32	0	0
33	0.5	0.5
34	0	0
35	0	0
36	-	-
37	-	-
38	-	-
39	-	-
40	-	-
41	-	-
42	-	-
43	-	-
44	-	-
45	-	-
46	-	-
47	-	-
48	-	-
49	1.1	1.1
50	2.0	1.9
51	11.0	11.0
52	0	10.2
53	10.2	9.4
54	9.5	4.7
55	4.7	6.2
56	6.2	9.2
57	9.3	9.3
58	7.9	7.9
59	0	0
60	11.0	0
61	0	0
62	0	0
63	1.2	1.2
64	1.0	0.9
Q6001		
E	0	0
C	0	0
B	3.0	3.0
Q6002		
D	10.4	10.4
S	0	0
G	0	0
Q6003		
D	0	0
S	4.0	4.0
G	3.1	3.1
Q6004		
E	11.0	11.0
C	3.0	3.1
B	10.4	10.4
Q6201		
D	3.0	3.1
S	11.0	11.0
G	7.9	7.9
Q6202		
E	3.0	3.0
C	2.5	2.5
B	2.3	2.3
Q6203		
1(D)	1.8	1.8
2(D)	1.8	1.8
3(G)	9.3	9.3
4(S)	11.0	11.0
5(D)	1.8	1.8
6(D)	1.8	1.8
Q6204		
D	4.8	4.8
S	11.0	11.0
G	6.2	6.2
Q6205		
E	4.8	4.8
C	4.8	4.8
B	4.1	4.2
Q6206		
E	0	0
C	0	0
B	0.6	0.6
Q6208		
1(D)	1.9	1.8
2(D)	1.9	1.8
3(G)	9.3	9.3
4(S)	11.0	11.0
5(D)	1.9	1.8
6(D)	1.9	1.9
Q6210		
1(D)	0.9	0.9
2(D)	2.9	0.9
3(G)	10.2	10.2
4(S)	11.0	11.0
5(D)	0.9	0.9
6(D)	0.9	0.9
Q6211		
D	0	0
S	11.0	11.0
G	4.7	4.7
Q6212		
1(E)	4.3	4.4
2(B)	4.9	4.8
3(C)	15.3	15.3
4(E)	0	4.4
5(B	5.1	5.1
6(C)	14.7	14.7
Q6213		
E	15.3	15.3
C	12.1	0
B	14.7	14.7
Q6214		
E	0	0
C	15.3	15.3
B	-1.1	-1.1
Q6215		
1(E)	-6.1	-6.2
2(B)	-6.6	-6.6
3(C)	-15.7	-15.7
4(E)	-6.2	0
5(B	-6.7	0
6(C)	-13	-13.3
Q6216		
E	-13.6	-13.8
C	-6.7	-6.7
B	-13.0	-13.3
Q6701		
1(D)	0	0
2(D)	0	0
3(G)	11.0	11.0
4(S)	11.0	11.0
5(D)	0	0
6(D)	0	0

<STO SENS>

MODE PIN NO.	REC	PLAY
IC6601		
1	0	0
2	3.0	3.0
3	3.0	3.0
4	0	0
5	0	0
6	0	0
7	3.0	3.0
8	3.0	3.0
Q6601		
E	0	0
C	0	0
B	0	0
Q6602		
1(B)	0	0
2(E)	0.5	0.5
3(B)	2.9	2.9
4(C)	0	0
5(C)	0	0
Q6611		
E	0.6	0
C	0	0
B	0	0.5
Q6612		
1(B)	0.5	0.5
2(E)	1.1	1.1
3(B)	0.7	0.7
4(C)	0	0
5(C)	0	0
Q6613		
E	0	0
C	2.8	2.8
B	0	0
Q6614		
1(B)	0	0
2(E)	0	0
3(B)	0	0
4(C)	0.5	0.5
5(C)	0	0
Q6615		
1(E)	0	0
2(B)	0	0
3(E)	0	4.8
4(C)	0	0
5(C)	4.7	4.8

<DSC>

MODE PIN NO.	REC	PLAY
IC8001	-	-
IC8002	-	-
IC8003	-	-
IC8004		
1	0	0
2	0	0
3	3.0	3.0
4	3.0	3.0
5	3.0	3.0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	3.0
12	3.1	3.1
13	0	0

MODE PIN NO.	REC	PLAY
14	3.0	3.0
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	3.0
26	3.0	3.0
27	0	0
28	3.0	3.0
29	0	3.0
30	0	0
31	0	0
32	0	0
33	3.0	3.0
34	3.0	0
35	3.0	3.0
36	3.0	3.0
37	3.0	3.0
38	3.0	3.0
39	3.0	3.0
40	3.0	3.0
41	3.0	3.0
42	3.0	3.0
43	3.0	3.0
44	3.0	3.0
45	3.0	3.0
46	0	0
47	3.0	3.0
48	0	0
IC8005		
1	3.0	3.0
2	3.0	0
3	0	1.2
4	0	2.5
5	3.0	3.0
IC8006		
1	3.0	3.0
2	0	3.0
3	1.2	0
4	2.5	0
5	3.0	3.0
IC8007		
1	4.8	4.8
2	0	0
3	1.2	1.2
4	0	3.2
5	4.8	4.8
IC8008		
1	1.0	1.0
2	1.0	1.0
3	3.0	3.0
4	0	0
5	0	0
6	1.5	1.5
7	1.5	1.5
8	3.0	3.0
IC8009		
1	1.4	1.4
2	3.0	3.0
3	0	0
4	0	0
5	3.0	3.0
6	3.0	3.0
7	3.0	3.0
8	3.0	3.0
IC8010		
1	3.0	3.0
2	3.0	3.0
3	0	0
4	3.0	3.0
5	3.0	3.0
IC8011		
1	1.3	1.4
2	3.0	3.0
3	0	0
4	0	0
5	3.0	3.0
6	3.0	3.0
7	3.0	3.0
8	3.0	3.0
IC8012		
1	3.0	3.0
2	3.1	3.0
3	3.0	3.0
4	0	0
5	3.0	3.0
6	0	0
7	0	3.0
8	3.0	3.0

<MP3>

MODE PIN NO.	REC	PLAY
IC8101	-	-
IC8102	-	-
IC8103		
1	0	0
2	1.5	1.5
3	0	0
4	1.6	0
5	3.0	3.0

<USB DRV>

MODE PIN NO.	REC	PLAY
IC8401	-	-
IC8402		
1	0	0
2	0	0
3	0	0
4	0	0
Q8401		
E	3.2	3.1
C	0	0.5
B	3.1	3.2

<MDA>

MODE PIN NO.	REC	PLAY
IC1601		
1	0	0
2	0.8	0.8
3	0.8	0.8
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	4.8
15	0	0
16	0.4	0
17	0	0
18	0	0.4
19	0	0
20	0.4	0.4
21	0	0
22	0	0
23	0.9	0
24	11.1	11.0
25	1.5	1.5
26	1.5	0
27	1.5	1.5
28	0	1.5
29	0	1.5
30	0	1.5
31	1.5	1.5
32	0	0
33	1.5	1.5
34	0	1.4
35	3.0	3.0
36	3.0	3.0
37	0	0
38	0.7	0.7
39	0	0.7
40	0	1.0
41	1.6	1.6
42	0	0
43	3.0	3.0
44	0	0
45	0	0
46	0	0
47	3.0	3.0
48	0	0
49	3.0	0
50	1.9	2.0
51	0	0
52	1.5	1.5
53	1.1	0
54	0	0.4
55	0.7	0
56	0.7	0.7
57	1.0	1.0
58	0	0.6
59	0	0
60	1.0	1.0
61	2.6	2.6
62	1.2	0
63	1.5	0
64	0	1.5
65	1.5	1.5
66	1.5	1.5
67	1.5	1.5
68	0	0.4
69	0	0
70	0.9	0
71	0.9	0.8
72	0	0.8
73	0.8	0.8
74	1.2	1.2
75	0.4	0.4
76	0	0
77	11.0	11.0
78	1.7	1.7
79	0	0
80	0	0
Q1601		
1	0	0
2	0	0
3	4.8	4.8
4	0	0
5	4.8	4.8

<IR TALLY>

MODE PIN NO.	REC	PLAY
IC1801		
1	4.8	4.8
2	4.0	4.0
3	0	0
4	0	0

<OP DRIVER>

MODE PIN NO.	REC	PLAY
IC4802	2.5	2.5
1	2.2	2.2
2	0	2.2
3	0	0
4	2.1	2.1
5	2.2	2.2
6	0	2.2
7	4.8	4.8
8	0	0
IC4803		
1	1.0	1.0
2	0	0
3	0	0
4	0	0
5	2.1	2.2
6	2.1	2.2
7	0.6	3.3
8	4.8	4.8
IC4804		
1	0	0
2	0	3.0
3	0	3.0
4	0	0
5	0.9	3.0
6	0.9	3.0
7	2.8	0
8	4.8	4.8
IC4806		
1	0.4	3.0
2	0.4	3.0
3	0.4	3.0
4	0	0
5	3.0	3.0
6	2.6	0
7	2.6	0
8	3.0	3.0
IC4807		
1	1.6	3.0
2	1.6	3.0
3	4.8	4.8
4	0	0
5	1.6	3.0
6	0	0
7	4.8	4.8
8	4.8	4.8
IC4851		
1	0	0
2	0.5	0
3	0	0.4
4	0.4	0
5	0	0.4
6	0	0
7	0	0
8	3.0	3.0
9	4.8	4.8
10	1.0	0
11	0	0
12	1.0	0
13	4.8	4.8
14	1.2	0
15	0	0
16	1.1	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	4.8	4.8
24	0	0
25	0	0
26	0	0
27	4.8	4.8
28	0	0
29	0	0
30	0	0
31	3.0	3.0
32	0	0
33	0	0
34	0	1.8
35	3.1	3.1
36	1.5	1.5
37	1.5	1.4
38	3.0	3.1
Q4801		
E	0	0
C	0	1.8
B	1.0	1.0
Q4802		
E	0	0
C	1.6	3.0
B	0	0
Q4803		
E	0	0
C	4.8	4.8
B	0	0
Q4804		
E	0	4.8
C	1.6	3.0
B	4.8	4.8
Q4805		
E	4.8	4.8
C	1.6	3.0
B	4.8	4.8
Q4851		
E	0	0
C	3.9	3.7
B	0	0

<AUDIO AD/DA>

MODE PIN NO.	REC	PLAY
IC2101		
1	1.3	0
2	0	0
3	1.4	0
4	0	0
5	3.0	3.0
6	3.0	3.1
7	0	0
8	0	0
9	1.4	1.3
10	1.5	1.5
11	1.4	1.4
12	0	1.5
13	3.0	0
14	0	3.1
15	2.0	1.4
16	1.9	1.3
IC2151		
1	0	0
2	0	0
3	1.2	-
4	0	0
5	3.0	3.0
6	0	3.0
7	0	0
8	0	0
9	0	0
10	1.5	1.5
11	1.6	1.6
12	1.5	1.5
13	0	0
14	0	0
15	0	0
16	0	0
Q2151		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0

<MAIN AUDIO>

MODE PIN NO.	REC	PLAY
IC2201		
1	1.4	0
2	1.4	0
3	1.4	0.5
4	1.4	0
5	1.4	0
6	1.4	1.6
7	0	0
8	2.1	2.3
9	2.1	2.3
10	0	0
11	1.4	1.6
12	1.4	1.0
13	1.4	1.6
14	1.4	0.5
15	1.4	0
16	0	0.5
17	1.4	1.6
18	1.4	1.6
19	1.4	1.0
20	1.4	0.8
21	1.4	0
22	2.6	2.9
23	1.4	0
24	1.4	0
25	2.5	2.1
26	1.0	0.5
27	2.2	0
28	2.2	2.2
29	2.4	2.2
30	2.2	2.2
31	2.2	2.2
32	2.2	2.2
33	4.8	4.8
34	4.7	4.7
35	0	0
36	2.4	2.4
37	4.7	4.7
38	2.2	2.2
39	1.8	1.8
40	0	0
41	3.1	3.1
42	0	0
43	0	2.2
44	0	3.0
45	1.4	1.6
46	0	0
47	2.4	0
48	2.2	2.6
49	1.4	0
50	1.4	1.6
51	1.4	1.6
52	1.6	0
53	1.6	0
54	0	3.1
55	0	0
56	2.4	0
57	1.4	0
58	1.4	0.5
59	2.6	2.9
60	0	0.5
61	1.4	0.7
62	1.4	0.8
63	1.4	1.6
64	1.4	1.6
IC2301		
1	2.4	0
2	0	2.4
3	0	2.3
4	0	0
5	2.2	0
6	0	2.3
7	2.3	2.3
8	4.6	4.6
Q2302		
E	1.3	1.3
C	4.6	4.6
B	1.9	1.9
Q2401		
E	2.6	0
C	4.8	4.8
B	3.3	3.6
Q2402		
E	4.8	0
C	4.8	4.8
B	4.1	4.1
Q2403		
E	0	0
C	0	0
B	3.1	3.0
Q2601		
E	0.8	1.0
C	2.6	2.9
B	1.4	0
Q2602		
E	0.8	0.9
C	2.6	2.9
B	1.4	1.6

<A/HP SEL.>

MODE PIN NO.	REC	PLAY
IC2751		
1	0	0
2	0	0
3	0	0
4	3	0
5	0	0
6	0	0
7	-6.6	-6.6
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	4.8	4.8
IC2752		
1	0	0
2	0	0
3	4.8	-6.5
4	-6.2	-6.2
5	4.7	4.8
Q2701		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q2751		
E	-6.6	-6.5
C	-6.7	-6.7
B	-6.7	-6.7
Q2752		
E	3.0	3.0
C	3.0	3.0
B	0	0
Q2753		
E	0	0
C	0	0
B	3.1	3.1
Q2754		
E	0	0
C	0	0
B	3.1	3.1
Q2755		
E	0	0
C	0	0
B	0	0
Q2756		
1(E)	0	0
2(B)	0	0
3(E)	4.8	4.8
4(C)	-6.2	-6.3
5(C)	4.8	4.8
Q2758		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q2759		
E	0	0
C	4.8	4.8
B	0	0

<WB SENS>

MODE PIN NO.	REC	PLAY
Q1151		
E	0	0
C	4.3	0
B	-	-

<VF MAIN>

MODE PIN NO.	EE
Q7001	-

<CCD>

MODE PIN NO.	EE
Q5001	
E	8.4
C	12.1
B	9.1
Q5002	
E	0
C	6.6
B	0

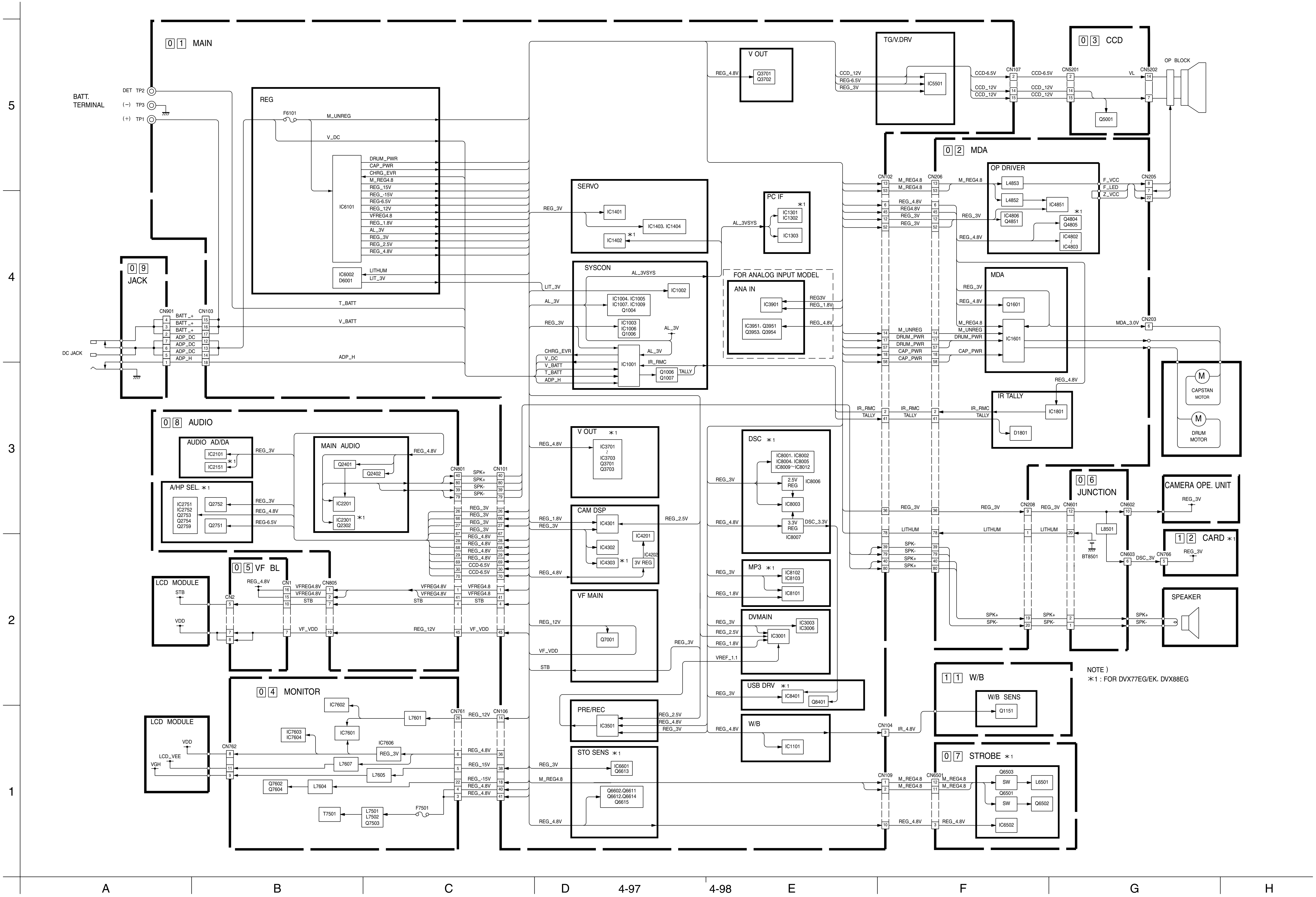
<MONITOR>

MODE PIN NO.	EE
IC7601	
1	2.4
2	7.2
3	2.4
4	2.4
5	2.4
6	2.4
7	2.4
8	2.4
9	2.4
10	12.1
11	0
12	0
13	6.0
14	6.1
15	6.0
16	6.1
17	6.1
18	6.0
19	6.1
20	1.4
21	1.5
22	1.5
23	1.2
24	0
25	0
26	0
27	0
28	0
29	3
30	0
31	0
32	0.4
33	1.3
34	1.5
35	3.0
36	0
37	0
38	0
39	3.0
40	0.9
41	1.5
42	3.0
43	3.0
44	0
45	2.9
46	2.8
47	2.5
48	2.5
IC7602	
1	12.0
2	0.4
3	0.5
4	0
5	4.8
6	4.8
7	7.2
8	12.0
IC7603	
1	0.8
2	3.0
3	0
4	3.0
5	3.0
6	0.6
7	0
8	3.0
IC7604	
1	0
2	3.1
3	0
4	0
5	3.1
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	3.0
IC7606	
1	4.8
2	0
3	1.3
4	3.0
5	4.8
Q7501	
1(B)	0
3(E)	0
5(B)	0
6(C)	4.5
7(C)	4.5
Q7503	
E	4.7
C	4.6
B	0
Q7504	
E	0
C	0
B	0.6
Q7601	
E	-10.9
C	0
B	-10.4
Q7602	
E	-9.8
C	-15.7
B	-10.4
Q7603	
E	-10.4
C	0
B	-9.8
Q7604	
E	-10.4
C	-15.3
B	-10.9
Q7608	
E	0
C	0
B	3.0
Q7609	
E	0
C	4.7
B	0
Q7610	
E	0
C	1.3
B	0

<STROBE>

MODE PIN NO.	EE
IC6502	
1	0
2	0
3	0
4	0
5	4.8
Q6501	
E	4.7
C	4.3
B	4.8
Q6502	
E	0
C	4.3
B	0
Q6503	
E	4.8
C	0
B	0
Q6504	
E	0
C	0
B	0
Q6506	
E	0
C	260.3
B	0

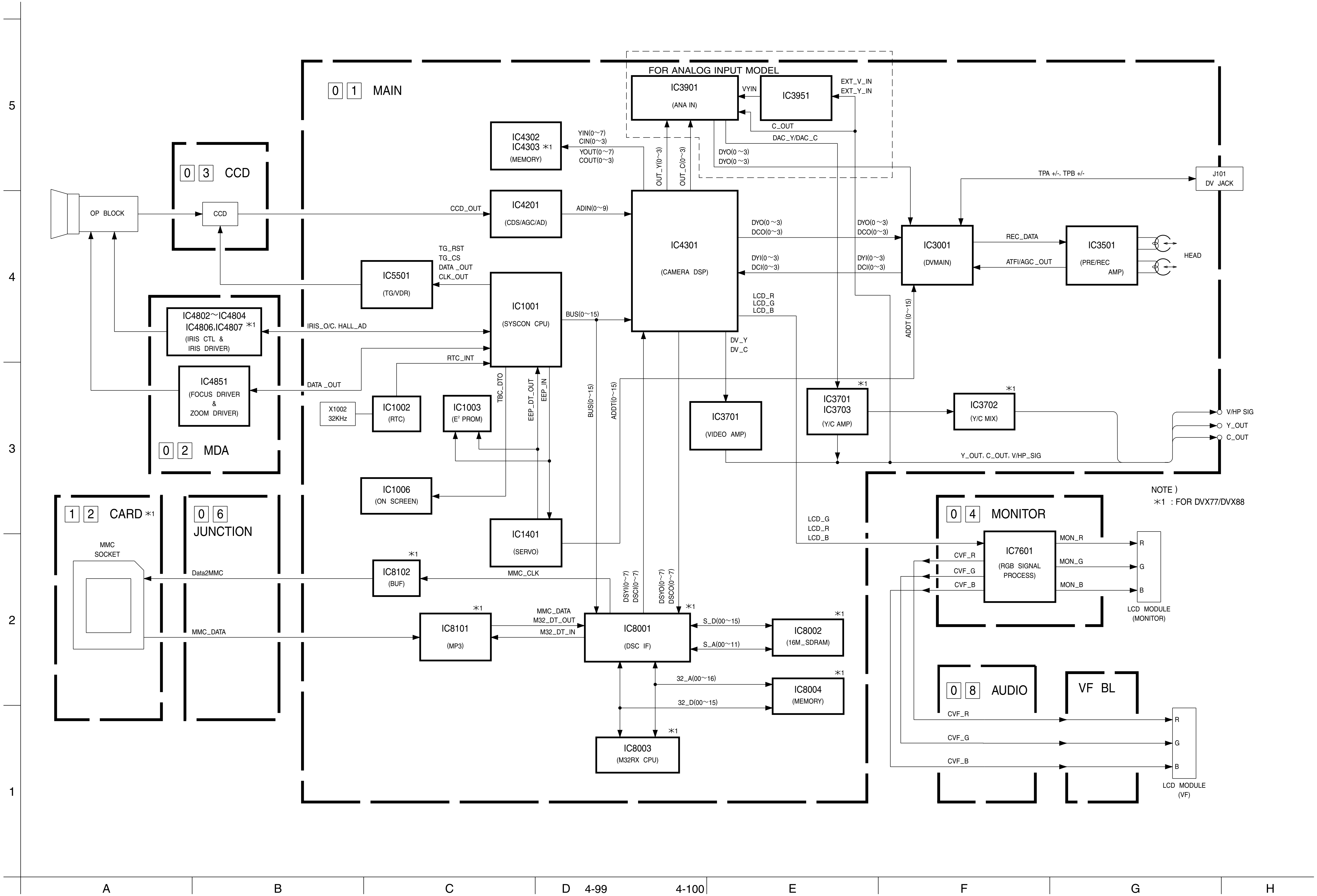
4.44 POWER SYSTEM BLOCK DIAGRAM



01 MAIN
BATT. TERMINAL
DET TP2
(−) TP3
(+) TP1
REG
F6101
M_UNREG
V_DC
IC6101
DRUM_PWR
CAP_PWR
CHRG_EVR
M_REG4.8
REG_15V
REG_-15V
REG-6.5V
REG_12V
VFREG4.8
REG_1.8V
AL_3V
REG_3V
REG_2.5V
REG_4.8V
IC6002
D6001
LITHUM
LIT_3V
T_BATT
V_BATT
ADP_H
09 JACK
CN901
CN103
BATT_+
ADP_DC
ADP_H
DC JACK
SERVO
IC1401
IC1403, IC1404
IC1402
SYSCON
AL_3VSYS
IC1002
IC1004, IC1005 IC1007, IC1009 Q1004
IC1003 IC1006 Q1006
IC1001
Q1006 Q1007
TALLY
IR_RMC
V OUT
Q3701 Q3702
PC IF
IC1301 IC1302
IC1303
FOR ANALOG INPUT MODEL
ANA IN
IC3901
IC3951, Q3951 Q3953, Q3954
TG/V.DRV
IC5501
CCD_12V
REG-6.5V
CCD-6.5V
CN107
CN5201
CN5202
03 CCD
Q5001
VL
OP BLOCK
02 MDA
CN102
CN206
CN205
OP DRIVER
L4853
L4852
IC4851
IC4806 Q4851
Q4804 Q4805
IC4802 ~ IC4803
F_VCC
F_LED
Z_VCC
MDA
Q1601
IC1601
M_UNREG
DRUM_PWR
CAP_PWR
MDA_3.0V
CN203
CAPSTAN MOTOR
DRUM MOTOR
M
IR TALLY
IC1801
D1801
08 AUDIO
AUDIO AD/DA
IC2101
IC2151
A/HP SEL.
IC2751 IC2752 Q2753 Q2754 Q2759
Q2752
Q2751
MAIN AUDIO
Q2401
Q2402
IC2201
IC2301 Q2302
CN801
CN101
SPK+
SPK-
CCD-6.5V
V OUT
IC3701 ~ IC3703 Q3701 Q3703
CAM DSP
IC4301
IC4201
IC4302
IC4303
IC4202
3V REG
VF MAIN
Q7001
VF_VDD
STB
DSC
IC8001, IC8002 IC8004, IC8005 IC8009~IC8012
2.5V REG
IC8006
IC8003
3.3V REG
IC8007
DSC_3.3V
MP3
IC8102 IC8103
IC8101
DVMAIN
IC3003 IC3006
IC3001
VREF_1.1
USB DRV
IC8401
Q8401
W/B
IC1101
PRE/REC
IC3501
STO SENS
IC6601 Q6613
Q6602,Q6611 Q6612,Q6614 Q6615
06 JUNCTION
CN208
CN601
CN602
L8501
BT8501
CN603
CN766
CAMERA OPE. UNIT
12 CARD
SPEAKER
11 W/B
W/B SENS
Q1151
CN104
IR_4.8V
07 STROBE
CN109
CN6501
Q6503
SW
L6501
Q6501
Q6502
IC6502
LCD MODULE
STB
VDD
CN2
05 VF BL
CN1
CN805
VFREG4.8V
VF_VDD
04 MONITOR
IC7602
L7601
IC7601
IC7603 IC7604
IC7606
L7607
L7605
Q7602 Q7604
L7604
T7501
L7501 L7502 Q7503
F7501
CN761
CN106
LCD MODULE
VDD
LCD_VEE
VGH
CN762
A
B
C
D
E
F
G
H
1
2
3
4
5

NOTE)
*1 : FOR DVX77EG/EK, DVX88EG

4.45 VIDEO SYSTEM BLOCK DIAGRAM


0 1 MAIN
FOR ANALOG INPUT MODEL
IC3901 (ANA IN)
VYIN
IC3951
EXT_V_IN
EXT_Y_IN
C_OUT
DAC_Y/DAC_C
IC4302 IC4303 *1 (MEMORY)
YIN(0~7)
CIN(0~3)
YOUT(0~7)
COUT(0~3)
OUT_Y(0~3)
OUT_C(0~3)
DYO(0~3)
DYO(0~3)
0 3 CCD
OP BLOCK
CCD
CCD_OUT
IC4201 (CDS/AGC/AD)
ADIN(0~9)
IC4301 (CAMERA DSP)
DYO(0~3)
DCO(0~3)
DYI(0~3)
DCI(0~3)
TPA +/-, TPB +/-
J101 DV JACK
IC3001 (DVMAIN)
REC_DATA
ATFI/AGC_OUT
IC3501 (PRE/REC AMP)
HEAD
TG_RST
TG_CS
DATA_OUT
CLK_OUT
IC5501 (TG/VDR)
IC1001 (SYSCON CPU)
BUS(0~15)
LCD_R
LCD_G
LCD_B
ADDT (0~15)
IC4802~IC4804 IC4806,IC4807 *1 (IRIS CTL & IRIS DRIVER)
IRIS_O/C, HALL_AD
RTC_INT
DATA_OUT
IC4851 (FOCUS DRIVER & ZOOM DRIVER)
0 2 MDA
X1002 32KHz
IC1002 (RTC)
IC1003 (E² PROM)
TBC_DTO
EEP_DT_OUT
EEP_IN
BUS(0~15)
ADDT(0~15)
DV_Y
DV_C
IC3701 (VIDEO AMP)
*1
IC3701 IC3703 (Y/C AMP)
*1
IC3702 (Y/C MIX)
V/HP SIG
Y_OUT
C_OUT
Y_OUT, C_OUT, V/HP_SIG
IC1006 (ON SCREEN)
NOTE)
*1 : FOR DVX77/DVX88
1 2 CARD *1
0 6 JUNCTION
MMC SOCKET
IC1401 (SERVO)
0 4 MONITOR
LCD_G
LCD_R
LCD_B
IC7601 (RGB SIGNAL PROCESS)
MON_R
MON_G
MON_B
CVF_R
CVF_G
CVF_B
R
G
B
LCD MODULE (MONITOR)
*1
IC8102 (BUF)
Data2MMC
MMC_CLK
DSYI(0~7)
DSCI(0~7)
DSYO(0~7)
DSCO(0~7)
*1
IC8101 (MP3)
MMC_DATA
MMC_DATA
M32_DT_OUT
M32_DT_IN
*1
IC8001 (DSC IF)
S_D(00~15)
S_A(00~11)
*1
IC8002 (16M_SDRAM)
32_A(00~16)
32_D(00~15)
*1
IC8004 (MEMORY)
*1
IC8003 (M32RX CPU)
0 8 AUDIO
VF BL
CVF_R
CVF_G
CVF_B
R
G
B
LCD MODULE (VF)
1
2
3
4
5
A
B
C
D
E
F
G
H